

Question #1 of 133

Analyst Kelvin Strong is arguing with fellow analyst Martha Hatchett. Strong insists that the dividend discount model can be used to calculate the required return for a stock, though only if the growth rate remains constant. Hatchett maintains that while such models are useful for calculating the value of a stock, they should not be used to calculate required returns. Who is CORRECT?

- | | <u>Strong</u> | <u>Hatchett</u> |
|--------------|---------------|-----------------|
| A) Incorrect | | Correct |
| B) Correct | | Incorrect |
| C) Incorrect | | Incorrect |
-

Question #2 of 133

The H-model is more flexible than the two-stage dividend discount model (DDM) because:

- A) terminal value is not sensitive to the estimates of growth rates.
 - B) payout ratio changes to adjust the changes in growth estimates.
 - C) initial high growth rate declines linearly to the level of stable growth rate.
-

Question #3 of 133

Xerxes, Inc. forecasts earnings to be permanently fixed at \$4.00 per share. Current market price is \$35 and required return is 10%. Assuming the shares are properly priced, the present value of growth opportunities is *closest* to:

- A) +\$3.50.
- B) +\$5.00.
- C) -\$5.00.

Question #4 of 133

If the expected return on the equity market is 10% and the risk-free rate is 3%, the required return on an asset with beta of 0.6 is *closest* to:

- A) 9.0%.
 - B) 6.0%.
 - C) 7.2%.
-

Question #5 of 133

In using the capital asset pricing model (CAPM) to determine the appropriate discount rate for discounted cash flow models (DCF), the asset's beta is used to determine the amount of:

- A) equity premium.
 - B) the expected return in addition to the return required by the risk of the position.
 - C) risk-free rate applicable to the time period of the investment.
-

Question #6 of 133

If an asset's beta is 0.8, the expected return on the equity market is 10%, the retention ratio is 0.7, the dividend growth rate is 5%, and the appropriate discount rate for the Gordon model is 9%, the risk-free rate must be *closest* to:

- A) 2.5%.
 - B) 5.0%.
 - C) 3.8%.
-

Question #7 of 133

In what stage of growth would a firm most likely NOT pay dividends?

- A) Declining stage.
 - B) Initial growth stage.
 - C) Transition stage.
-

Question #8 of 133

Historical information used to determine the long-term average returns from equity markets may suffer from survivorship bias, resulting in:

- A) inflating the mean return.
 - B) unpredictable results.
 - C) deflating the mean return.
-

Question #9 of 133

Deployment Specialists pays a current (annual) dividend of \$1.00 and is expected to grow at 20% for two years and then at 4% thereafter. If the required return for Deployment Specialists is 8.5%, the current value of Deployment Specialists is *closest* to:

- A) \$33.28.
 - B) \$25.39.
 - C) \$30.60.
-

Question #10 of 133

GreenGrow, Inc., has current dividends of \$2.00, current earnings of \$4.00 and a return on equity of 16%. What is GreenGrow's sustainable growth rate?

- A) 8%.
- B) 9%.

C) 6%.

Question #11 of 133

Jand, Inc., currently pays a dividend of \$1.22, which is expected to grow at 5%. If the current value of Jand's shares based on the Gordon model is \$32.03, what is the required rate of return?

A) 7%.

B) 9%.

C) 8%.

Question #12 of 133

Supergro has current dividends of \$1, current earnings of \$3, and a return on equity of 16%, what is its sustainable growth rate?

A) 8.9%.

B) 12.2%.

C) 10.7%.

Question #13 of 133

CAB Inc. just paid a current dividend of \$3.00, the forecasted growth is 9%, declining over four years to a stable 6% thereafter, and the current value of the firm's shares is \$50, what is the required rate of return?

A) 10.5%.

B) 9.8%.

C) 12.7%.

Question #14 of 133

An analyst has forecast that Hapex Company, which currently pays a dividend of \$6.00, will grow at a rate of 8%, declining to 5% over the next two years, and remain at that rate thereafter. If the required return is 10%, based on an H-model what is the current value of Hapex shares?

- A) \$129.60.
 - B) \$126.24.
 - C) \$131.17.
-

Question #15 of 133

An analyst has forecast that Apex Company, which currently pays a dividend of \$6.00, will continue to grow at 8% for the next two years and then at a rate of 5% thereafter. If the required return is 10%, based on a two-stage model what is the current value of Apex shares?

- A) \$126.24.
 - B) \$127.78.
 - C) \$133.13.
-

Question #16 of 133

Which of the following groups of statistics provides enough data to calculate an implied return for a stock using the two-stage DDM?

- A) Short-term growth rate, long-term growth rate, stock price, trailing 12-month profits.
 - B) Yield, stock price, historical dividend-growth rate, historical profit-growth rate.
 - C) P/E ratio, trailing 12-month profits, short-term PEG ratio, long-term PEG ratio, yield.
-

Question #17 of 133

An investor buys shares of a firm at \$10.00. A year later she receives a dividend of \$0.96 and sells the shares at \$9.00. What is her holding period return on this investment?

- A) +1.2%.
 - B) -0.4%.
 - C) -0.8%.
-

Question #18 of 133

Given an equity risk premium of 3.5%, a forecasted dividend yield of 2.5% on the market index and a U.S. government bond yield of 4.5%, what is the consensus long-term earnings growth estimate?

- A) 10.5%.
 - B) 5.5%.
 - C) 8.0%.
-

Question #19 of 133

What is the value of a fixed-rate perpetual preferred share (par value \$100) with a dividend rate of 11.0% and a required return of 7.5%?

- A) \$138.
 - B) \$152.
 - C) \$147.
-

Question #20 of 133

Which of the following dividend discount models assumes a high growth rate during the initial stage, followed by a linear decline to a lower stable growth rate?

- A) Three-stage dividend discount model.

- B) Gordon growth model.
- C) H model.
-

Question #21 of 133

A firm has the following characteristics:

- Current share price \$100.00.
- Next year's earnings \$3.50.
- Next year's dividend \$0.75.
- Growth rate 11%.
- Required return 13%.

Based on this information and the Gordon growth model, what is the firm's justified leading price to earnings (P/E) ratio?

- A) 10.7.
- B) 8.7.
- C) 11.3.
-

Question #22 of 133

If the value of an 8%, fixed-rate, perpetual preferred share is \$134, the risk free rate is 3%, and the par value is \$100, the required rate of return is *closest* to:

- A) 9%.
- B) 7%.
- C) 6%.
-

Question #23 of 133

Analyst Louise Dorgan has put together a short fact sheet on two companies, Benson Orchards and Terra Firma Development.

	Benson Orchards	Terra Firma Development
Price/earnings ratio	18.5	
Most recent dividend	\$0.56 per share	\$1.67 per share
Estimated stock return	15%	
Estimated market return		13%
Beta	1.2	1.7
Trailing profits	\$5.16 per share	
Stock-market value	\$123 million	\$1.678 billion
Shares outstanding		875 million

The risk-free rate is 3.6%, and Dorgan estimates the stock market's equity risk premium as 7.5%.

Using only the data presented above, can Dorgan create a Gordon Growth model for:

- | | <u>Benson
Orchards</u> | <u>Terra Firm
Development</u> |
|--------|----------------------------|-----------------------------------|
| A) Yes | No | |
| B) Yes | Yes | |
| C) No | No | |

Question #24 of 133

In its most recent quarterly earnings report, Smith Brothers Garden Supplies said it planned to increase its dividend at an annual rate of 5% for the foreseeable future. Analyst Anton Spears is using a required return of 9.5% for Smith Brothers stock. Smith Brothers stock trades for \$52.17 per share and earned \$3.01 per share over the last 12 months. The company paid a dividend of \$2.15 per share during the last 12-month period, and its dividend-growth rate for the last five years was 9.2%. Using the Gordon Growth model, the share price for Smith Brothers stock is *most likely*.

- A) undervalued.
 - B) correctly valued.
 - C) overvalued.
-

Question #25 of 133

Jax, Inc., pays a current dividend of \$0.52 and is projected to grow at 12%. If the required rate of return is 11%, what is the current value based on the Gordon growth model?

- A) \$58.24.
 - B) \$39.47.
 - C) unable to determine value using Gordon model.
-

Question #26 of 133

An investor projects that a firm will pay a dividend of \$1.00 next year and \$1.20 the following year. At the end of the second year, the expected price of the shares is \$22.00. If the required return is 14%, what is the current value of the firm's shares?

- A) \$18.73.
 - B) \$19.34.
 - C) \$15.65.
-

Question #27 of 133

Which of the following actions will be *least* helpful for an analyst attempting to improve the predictive power of his scenario analysis?

- A) Limiting deviations from the core model.
 - B) Using a spreadsheet rather than a calculator.
 - C) Acquiring more precise inputs.
-

Question #28 of 133

Stan Bellton, CFA, is preparing a report on TWR, Inc. Bellton's supervisor has requested that Bellton include a justified trailing price-to-earnings (P/E) ratio based on the following information:

Current earnings per share (EPS) = \$3.50.

Dividend Payout Ratio = 0.60.

Required return for TRW = 0.15.

Expected constant growth rate for dividends = 0.05.

TWR's justified trailing P/E ratio is *closest* to:

- A) 6.3.
 - B) 4.0.
 - C) 6.0.
-

Question #29 of 133

Recent surveys of analysts report long-term earnings growth estimates as 5.5% and a forecasted dividend yield of 2.0% on the market index. At the time of the survey, the 20-year U.S. government bond yielded 4.8%. According to the Gordon growth model, what is the equity risk premium?

- A) 7.5%.

- B) 2.7%.
 - C) 0.4%.
-

Question #30 of 133

Which of the following is *least likely* a valid approach to determining the appropriate discount rate for a firm's dividends?

- A) Arbitrage pricing theory (APT).
 - B) Free cash flow to firm (FCFF).
 - C) Capital asset pricing model (CAPM).
-

Question #31 of 133

Given that a firm's current dividend is \$2.00, the forecasted growth is 7%, declining over three years to a stable 5% thereafter, and the current value of the firm's shares is \$45, what is the required rate of return?

- A) 10.5%.
 - B) 9.8%.
 - C) 7.8%.
-

Question #32 of 133

JAD just paid a dividend of \$0.80. Analysts expect dividends to grow at 25% in the next two years, 15% in years three and four, and 8% for year five and after. The market required rate of return is 10%, and Treasury bills are yielding 4%. JAD has a beta of 1.4. The estimated current price of JAD is *closest* to:

- A) \$25.42.
- B) \$45.91.

C) \$29.34.

Question #33 of 133

The value per share for Burton, Inc. is \$32.00 using the Gordon Growth model. The company paid a dividend of \$2.00 last year. The estimates used to calculate the value have changed. If the new required rate of return is 12.00% and expected growth rate in dividends is 6%, the value per share will *increase* by:

- A) 10.42%.
 - B) 9.51%.
 - C) 4.17%.
-

Question #34 of 133

If the risk-free rate is 6%, the equity premium of the chosen index is 4%, and the asset's beta is 0.8, what is the discount rate to be used in applying the dividend discount model?

- A) 7.80%.
 - B) 9.20%.
 - C) 10.80%.
-

Question #35 of 133

Relative to traditional financial models like the dividend discount model, the biggest advantage of spreadsheet modeling is:

- A) quantity of computations.
 - B) accuracy of computations.
 - C) simplicity of computations.
-

Question #36 of 133

An analyst has compiled the following financial data for ABC, Inc.:

ABC, Inc. Valuation Scenarios				
Item	Scenario 1	Scenario 2	Scenario 3	Scenario 4
Year 0 Dividends per Share	\$1.50	\$1.50	\$1.50	\$1.50
Long-term Treasury Bond Rate	4.0%	4.0%	5.0%	5.0%
Expected Return on the S&P 500	12.0%	12.0%	12.0%	12.0%
Beta	1.4	1.4	1.4	1.4
g (growth rate in dividends)	0.0%	3.0%	Years 1-3, g=12.0% After Year 3, g=3.0%	Year 1, g=20% Year 2, g=18% Year 3, g=16% Year 4, g=9% Year 5, g=8% Year 6, g=7% After Year 6, g=4%

If year 0 dividend is \$1.50 per share, the required rate of return of shareholders is 15.2%, what is the value of ABC, Inc.'s stock price using the H-Model? Assume that the growth in dividends has been 20% for the last 8 years, but is expected to decline 3% per year for the next 5 years to a stable growth rate of 5%.

- A) \$20.95.
- B) \$24.26.
- C) \$19.85.

Question #37 of 133

The required rate of return for an asset is often difficult to determine, but if we know the growth prospects and the current earnings of a firm we can determine the implied required rate of return from the:

- A) dividend rate.
 - B) market price.
 - C) earnings retention rate.
-

Question #38 of 133

If we know the forecast growth rates for a firm's dividends and the current dividends and current value, we can determine the:

- A) sustainable growth rate.
 - B) required rate of return.
 - C) net margin of the firm.
-

Question #39 of 133

Given that a firm's current dividend is \$2.00, the forecasted growth is 7% for the next two years and 5% thereafter, and the current value of the firm's shares is \$54.50, what is the required rate of return?

- A) Can't be determined.
 - B) 9%.
 - C) 10%.
-

Question #40 of 133

Which of the following would be *least* appropriate to value using the Gordon growth model?

- A) Water utility companies.
 - B) Profitable rapidly-growing companies.
 - C) Broad-based equity indices.
-

Question #41 of 133

If an investor were attempting to capture an asset's alpha returns, the expected holding period return (HPR) would be:

- A) lower than the required return.
 - B) the same as the required return.
 - C) higher than the required return.
-

Question #42 of 133

A company reports January 1, 2002, retained earnings of \$8,000,000, December 31, 2002, retained earnings of \$10,000,000, and 2002 net income of \$5,000,000. The company has 1,000,000 shares outstanding and dividends are expected to grow at a rate of 5% per year. What is the expected dividend at the end of 2003?

- A) \$3.00.
 - B) \$13.65.
 - C) \$3.15.
-

Question #43 of 133

What is the difference between a standard two-stage growth model and the H-model?

- A) In the standard two-stage model, a fixed rate of growth is assumed for each stage, while the H-model assumes a linearly declining rate of growth in one stage.

- B)** The H-model assumes that earnings will dip in the middle of each stage and return to the previous rate by the period's end.
 - C)** The H-model assumes a terminal value, while the standard two-stage model does not.
-

Question #44 of 133

If a stock expects to pay dividends of \$2.30 per share next year, what is the value of the stock if the required rate of return is 12% and the expected growth rate in dividends is 4%?

- A)** \$28.75.
 - B)** \$29.90.
 - C)** \$19.17.
-

Question #45 of 133

Which of the following models would be *most* appropriate for a firm that is expected to grow at 8% for the next three years, and at 6% thereafter?

- A)** The H-model.
 - B)** A two-stage model.
 - C)** The Gordon growth model.
-

Question #46 of 133

Which of the following is *least likely* a potential problem associated with the three-stage dividend discount model (DDM)? The:

- A)** high-growth and transitional periods are too long, resulting in an extremely high stock value.
- B)** beta in the stable period is too high, resulting in an extremely low stock value.
- C)** stable period payout ratio may be too high resulting in an extremely low value.

Flyaweight Foods is a vertically integrated producer and distributor of low-calorie food products operating on a consumer club model. They have enjoyed rapid growth in the southwest United States during their 5-year history and are planning rapid expansion throughout the rest of the country. To fund their expansion, they are soliciting investments from a variety of venture capital groups.

One of the groups considering a bid for Flyaweight is Angelcap Investors, a private equity fund run by Harry Moskowitz. Angelcap is interested in acquiring a 10% interest in Flyaweight. Moskowitz' partner, Bill Sharpless, runs the group doing due diligence on Flyaweight. He provides Moskowitz with financial data on the firm:

Table 1: Flyaweight Foods Historical Data (Dollars per share)

	FY1	FY2	FY3	FY4	FY5
Sales per share	4.25	5.60	6.40	7.35	8.05
EPS	1.20	1.85	2.30	2.79	3.10
Dividends	0	0	0.10	0.20	0.35
Free Cash Flow	-2.50	-2.10	-1.85	-1.60	-1.25

Moskowitz suggests that a Dividend Discount Model (DDM) would be an appropriate means for valuing Flyaweight because Angelcap would be a minority shareholder. Sharpless points out that the primary advantage of using a DDM is that dividends are more stable than earnings or cash flow.

They ask Merle Muller, an analyst at the firm, to calculate an appropriate required return on Flyaweight. Muller collects the following market consensus information:

Table 2: Current Market Conditions (Consensus estimates)

Expected 5-year EPS growth	8.0%
Expected 1-year Dividend yield	2.2%
Current Treasury yield (10-year note)	4.8%
Food industry beta (specialty segment)	0.95

Muller says, "If we assume that the beta for Flyaweight should equal the beta of the specialty food industry, then our required rate of return would be less than 10%." Moskowitz objects

strongly to using a discount rate that low and insists on using a multi-factor model such as the Arbitrage Pricing Theory (APT) instead. Sharpless disagrees that the APT will solve the estimation problem, pointing out, "A principal limitation of both the Capital Asset Pricing Model (CAPM) and the APT is uncertainty about the correct measurement of the market and factor risk premiums."

Sharpless argues in favor of using the Gordon Growth Model (GGM). "We know what the company growth rate is, we know what the dividend is, and we can decide what our required rate of return is. The GGM will give us the most accurate valuation because it uses the inputs we can measure most accurately." Moskowitz points out, "An H-model would be more appropriate because it assumes a linear slowdown in growth to a constant rate in perpetuity."

While Sharpless and Moskowitz debate the appropriate valuation approach, Muller prepares forecasts for Flyaweight.

Table 3: Forecast Values for Flyaweight

	Forecast
Average total liabilities per share	\$14.40
Average owners' equity per share	\$12.70
Profit margin	29%
Sales per share	\$10.70
Dividend payout ratio	10%

Question #47 of 133

Judging by the data in Table 1, the most appropriate method for valuing Flyaweight would be:

- A)** residual income because the firm is likely to have high capital demands and negative cash flow for the foreseeable future.
- B)** the DDM because the firm has a history of dividend growth.
- C)** justified P/E because it is a high-growth company.

Question #48 of 133

Regarding Sharpless's statement about uncertainty surrounding estimates of inputs and risk premiums being a key limitation of both the CAPM and the APT, and Muller's statement that the required rate of return on Flyaweight is less than 10% if the beta of the specialty foods industry is used:

- A) only Muller is correct.
 - B) only Sharpless is correct.
 - C) both are correct.
-

Question #49 of 133

With respect to their statements about the use of the GGM and the H-model:

- A) only Sharpless is correct.
 - B) both are correct.
 - C) only Moskowitz is correct.
-

Question #50 of 133

Which of the following is *least likely* to be a characteristic of a company in the initial growth phase?

- A) Low dividend payout ratio.
 - B) High profit margin.
 - C) Return on equity equal to the required rate of return.
-

Question #51 of 133

With respect to their statements about the use of DDMs:

- A) only Sharpless is correct.
- B) both are correct.

C) only Moskowitz is correct.

Question #52 of 133

Based on the forecast data in Table 3, Flyaweight's sustainable growth rate (SGR) is *closest* to which value? If asset turnover were to rise from the forecast level, what would be the impact on SGR?

	<u>SGR</u>	<u>Impact on SGR</u>
A) 22%	Increase	
B) 22%	Decline	
C) 24%	Increase	

Question #53 of 133

Applying the Gordon growth model to value a firm experiencing supernormal growth would result in:

- A) a zero value.
 - B) understating the value of the firm.
 - C) overstating the value of the firm.
-

Question #54 of 133

In the five-part DuPont model $ROE = (NI/EBT)(EBT/EBIT)(EBIT/sales)(sales/assets)(assets/equity)$, the product of the first three terms is:

- A) gross profit margin.
- B) operating profit margin.

C) net profit margin.

Question #55 of 133

IAM, Inc. has a current stock price of \$40.00 and expects to pay a dividend in one year of \$1.80. The dividend is expected to grow at a constant rate of 6% annually. IAM has a beta of 0.95, the market is expected to return 11%, and the risk-free rate of interest is 4%. The expected stock price two years from today is *closest* to:

- A) \$43.94.
 - B) \$43.49.
 - C) \$41.03.
-

Question #56 of 133

In computing the sustainable growth rate of a firm, the earnings retention rate is equal to:

- A) $1 - (\text{dividends} / \text{assets})$.
 - B) $\text{Dividends} / \text{required rate of return}$.
 - C) $1 - (\text{dividends} / \text{earnings})$.
-

Question #57 of 133

The volatility of equity returns requires us to use data from long time periods to compute mean returns. One problem that this causes is that:

- A) equity premiums vary over time with perceived risk.
 - B) inflation alters the value of the past returns.
 - C) the past is rarely an indication of the future.
-

Question #58 of 133

Sustainable growth is the rate that earnings can grow:

- A) with the current assets.
 - B) without additional purchase of equipment.
 - C) indefinitely without altering the firm's capital structure.
-

Question #59 of 133

James Malone, CFA, covers GNTX stock, which is currently trading at \$45.00 and just paid a dividend of \$1.40. Malone expects the dividend growth rate to decline linearly over the next six years from 25% in the short run to 6% in the long run. Malone estimates the required return on GNTX to be 13%. Using the H-model, the value of GNTX is *closest* to:

- A) \$32.60.
 - B) \$33.40.
 - C) \$17.55.
-

Question #60 of 133

If Cantel, Inc., has current earnings of \$17, dividends of \$3.50, and a sustainable growth rate of 11%, what is its return on equity (ROE)?

- A) 17.64%.
 - B) 13.85%.
 - C) 11.91%.
-

Question #61 of 133

Which of the following dividend discount models (DDMs) is most appropriate for modeling a mature company?

- A) H-model.
 - B) Two-stage DDM.
 - C) Gordon growth model.
-

Question #62 of 133

Methods for estimating the terminal value in a DDM are *least likely* to include:

- A) the market multiple approach.
 - B) PVGO.
 - C) the Gordon Growth Model.
-

Question #63 of 133

Tri-coat Paints has a current market value of \$41 per share with a earnings of \$3.64. What is the present value of its growth opportunities (PVGO) if the required return is 9%?

- A) \$1.27.
 - B) \$3.92.
 - C) \$0.56.
-

Question #64 of 133

The H model will NOT be very useful when:

- A) a firm has a constant payout policy.
 - B) a firm has low or no dividends currently.
 - C) a firm is growing rapidly.
-

Question #65 of 133

Kyle Star Partners is expected to have earnings in year five of \$6.00 per share, a dividend payout ratio of 50%, and a required rate of return of 11%. For year 6 and beyond the dividend growth rate is expected to fall to 3% in perpetuity. Estimate the terminal value at the end of year five using the Gordon growth model.

A) \$27.27.

B) \$38.63.

C) \$37.50.

Question #66 of 133

Which of the following dividend discount models has the limitation that a sudden *decrease* to the lower growth rate in the second stage may NOT be realistic?

A) H model.

B) Gordon growth model.

C) Two-stage dividend discount model.

Question #67 of 133

Free cash flow to equity models (FCFE) are *most* appropriate when estimating the value of the firm:

A) only for non-dividend paying firms.

B) to equity holders.

C) to creditors of the firm.

Question #68 of 133

The sustainable growth rate, g , equals:

- A) pretax margin divided by working capital.
 - B) dividend payout rate times the return on assets.
 - C) earnings retention rate times the return on equity.
-

Question #69 of 133

Suppose the equity required rate of return is 10%, the dividend just paid is \$1.00 and dividends are expected to grow at an annual rate of 6% forever. What is the expected price at the end of year 2?

- A) \$27.07.
 - B) \$28.09.
 - C) \$29.78.
-

Question #70 of 133

A firm has the following characteristics:

- Current share price \$100.00.
- One-year earnings \$3.50
- One-year dividend \$0.75.
- Required return 13%.
- Justified leading price to earnings 10.

Based on the dividend discount model, what is the firm's assumed growth rate?

- A) 8.6%.
 - B) 12.4%.
 - C) 10.9%.
-

Question #71 of 133

Which of the following models would be *most* appropriate for a firm that is expected to grow at an initial rate of 10%, declining steadily to 6% over a period of five years, and to remain steady at 6% thereafter?

- A) The Gordon growth model.
 - B) A two-stage model.
 - C) The H-model.
-

Question #72 of 133

Which of the following is *least likely* a limitation of the two-stage dividend discount model (DDM)?

- A) Terminal value estimate is most sensitive to estimates of future dividends.
 - B) the length of the high-growth stage is difficult to measure.
 - C) most of the value is due to the terminal value.
-

Question #73 of 133

If we increase the required rate of return used in a dividend discount model, the estimate of value produced by the model will:

- A) decrease.
 - B) remain the same.
 - C) increase.
-

Question #74 of 133

An investor projects the price of a stock to be \$16.00 in one year and expected the stock to pay a dividend at that time of \$2.00. If the required rate of return on the shares is 11%, what is the current value of the shares?

- A) \$16.22.
 - B) \$15.28.
 - C) \$14.11.
-

Question #75 of 133

One of the limitations of the dividend discount models (DDMs) is that they:

- A) are conceptually difficult.
 - B) can only be used for companies that are experiencing stable growth
 - C) are very sensitive to growth and required return assumptions.
-

Question #76 of 133

Q-Partners is expected to have earnings in ten years of \$12 per share, a dividend payout ratio of 50%, and a required return of 11%. At that time, ROE is expected to fall to 8% in perpetuity and the trailing P/E ratio is forecasted to be eight times earnings. The terminal value at the end of ten years using the P/E multiple approach and DDM is *closest* to:

	<u>P/E multiple</u>	<u>DDM</u>
A) 96.32		85.71
B) 96.00		89.14
C) 96.32		85.14

Question #77 of 133

Dynamite, Inc., has current earnings of \$26, current dividend of \$2, and a returned on equity of 18%. What is its sustainable growth?

- A) 16.62%.

B) 13.37%.

C) 14.99%.

Bernadine Nutting has just completed several rounds of job interviews with the valuation group, Ancis Associates. The final hurdle before the firm makes her an offer is an interview with Greg Ancis, CFA, the founder and senior partner of the group. He takes pride in interviewing all potential associates himself once they have made it through the earlier rounds of interviews, and puts candidates through a grueling series of tests. As soon as Nutting enters his office, Ancis tries to overwhelm her with financial information on a variety of firms, including AlphaBetaHydroxy, Inc., Turbo Financial Services, Aultman Construction, and Reality Productions.

He begins with AlphaBetaHydroxy, Inc., which trades under the symbol AB and has an estimated beta of 1.4. The firm currently pays \$1.50 per year in dividends, but the historical dividend growth rate has varied significantly, as shown in the table below.

AlphaBetaHydroxy, Inc. Historical Dividend Growth	
Year	Dividend Growth Rate (%)
-1	+20
-2	+58
-3	-27
-4	-19
-5	+38
-6	+17
-7 and earlier	+3

Ancis says that, given AB's wildly varying historical dividend growth, he wants to value the firm using 3 different scenarios. The Low-Growth scenario calls for 3% annual dividend growth in perpetuity. The Middle-Growth scenario calls for 12% dividend growth in years 1 through 3, and 3% annual growth thereafter. The High-Growth scenario specifies dividend growth year by year, as follows:

AlphaBetaHydroxy, Inc. High-Growth Scenario	
Year	Dividend Growth Rate

	(%)
1	20
2	18
3	16
4	9
5	8
6	7
7 and thereafter	4

Nutting suggests that the scenarios are incomplete, saying that she'd like to include some additional assumptions for the various scenarios. For example, while she would estimate the return on the S&P 500 to be 12% regardless of AB's performance, she would want to vary the outlook for interest rates depending on the scenario. In specific, she'd use a long-term Treasury bond rate of 4% for the low-growth scenario, but raise it to 5% for the middle and higher-growth scenarios.

Ancis then moves on to Turbo Financial Services. Ancis has been following Turbo for quite some time because of its impressive earnings growth. Earnings per share have grown at a compound annual rate of 19% over the past six years, pushing earnings to \$10 per share in the year just ended. He considers this growth rate very high for a firm with a cost of equity of 14%, and a weighted average cost of capital (WACC) of only 9%. He's especially impressed that the firm can achieve these growth rates while still maintaining a constant dividend payout ratio of 40%, which he expects the firm to continue indefinitely. With a market value of \$55.18 per share, Ancis considers Turbo a strong buy.

Ancis believes that Turbo will have one more year of strong earnings growth, with EPS rising by 20% in the coming year. He then expects EPS growth to fall 5 percentage points per year for each of the following two years, and achieve its long-term sustainable growth rate of 5% beginning in year four.

Finally, Ancis turns to Aultman Construction, trading at \$22 per share (with current EPS of \$2.50 and a required return of 18%), and Reality Productions, which currently trades at \$30 per share. Reality Production's current dividend is the same as AB's (\$1.50), but the historical dividend growth rate has been a stable 10%. Dividend growth is expected to decline linearly over six years to 5%, and then remain at 5% indefinitely.

Ancis begins the valuation test by asking Nutting to value AB with both the two-stage DDM model and the Gordon Growth model, using the scenario most suited to each modeling

technique. Nutting answers that the Gordon Growth model gives a valuation for AB that is \$1.32 higher than the valuation using the DDM model. After reviewing her analysis, Ancis says that her valuation is incorrect because she should have applied the Gordon Growth model to the High-Growth scenario.

Unhappy with her misuse of the Gordon Growth Model, Ancis asks Nutting to explain the appropriate uses of two other valuation tools: the H-model and three-stage DDM. She says that the H-model is most suited to sustained high-growth companies while three-stage DDM is only appropriate to companies where the dividend growth rate is expected to decline in stages. Ancis says that three-stage DDM does not require a company's growth rate to decline – it could equally well apply when a company's growth is expected to be higher in the final stage than in the first. Nutting loses the job.

Question #78 of 133

Which of the following statements is *least* accurate? The two-stage DDM is most suited for analyzing firms that:

- A) own patents for a very profitable product.
- B) are expected to grow at a normalized rate after a fixed period of time.
- C) are in an industry with low barriers to entry.

Question #79 of 133

Regarding the statements made by Ancis and Nutting about the correct valuation models and values for AB:

- A) only Nutting is correct.
- B) both are incorrect.
- C) only Ancis is correct.

Question #80 of 133

What is the implied required rate of return for Reality Productions?

- A) 11.75%.
 - B) 11.00%.
 - C) 12.50%.
-

Question #81 of 133

Regarding the statements made by Ancis and Nutting about the appropriate uses of the H-model and three-stage DDM:

- A) both are correct.
 - B) both are incorrect.
 - C) only one is correct.
-

Question #82 of 133

Based upon its current market value, what is the implied long-term sustainable growth rate of Turbo Financial Advisors?

- A) 19.0%.
 - B) 4.0%.
 - C) 0.3%.
-

Question #83 of 133

What is the present value of Aultman's future investment opportunities as a percentage of the market price?

- A) 8.1%.
 - B) 36.9%.
 - C) 13.9%.
-

Question #84 of 133

If the three-stage dividend discount model (DDM) results in extremely high value, the:

- A) growth rate in the stable growth period is lower than that of gross national product (GNP).
- B) growth rate in the stable growth period is probably too high.
- C) transition period is too short.

Question #85 of 133

An analyst has forecasted dividend growth for Triple Crown, Inc., to be 8% for the next two years, declining to 5% over the following three years, and then remaining at 5% thereafter. If the current dividend is \$4.00, and the required return is 10%, what is the current value of Triple Crown shares based on a three-stage model?

- A) \$92.23.
- B) \$73.68.
- C) \$91.11.

Question #86 of 133

In its most recent quarterly earnings report, Smith Brothers Garden Supplies said it planned to increase its dividend at an annual rate of 13% for the foreseeable future. Analyst Clinton Spears has an annual return target of 15.5% for Smith Brothers stock. He decides to use the dividend-growth rate to back out another return estimate to test against his. Smith Brothers stock trades for \$55 per share and earned \$3.01 per share over the last 12 months. The company paid a dividend of \$2.15 per share during the 12-month period, and its dividend-growth rate for the last five years was 9.2%.

Using the Gordon Growth model, the required annual return for Smith Brothers stock is *closest* to:

- A) 13.47%.
 - B) 17.42%.
 - C) 19.18%.
-

Question #87 of 133

Most firms follow a pattern of growth that includes several stages. The second stage is *most likely* to be referred to as the:

- A) decline stage.
 - B) transitional stage.
 - C) maturity stage.
-

Question #88 of 133

A company's stock beta is 0.76, the market return is 10%, and the risk-free rate is 4%. The stock will pay no dividends for the first two years, followed by a \$1 dividend and \$2 dividend, respectively. An investor expects to sell the stock for \$10 at the end of four years. What price is an investor willing to pay for this stock?

- A) \$11.03.
 - B) \$9.42.
 - C) \$10.16.
-

Question #89 of 133

An analyst has compiled the following financial data for ABC, Inc.

ABC, Inc. Valuation Scenarios				
Item	Scenario 1	Scenario 2	Scenario 3	Scenario 4
Year 0 Dividends per Share	\$1.50	\$1.50	\$1.50	\$1.50
Long-term Treasury Bond Rate	4.0%	4.0%	5.0%	5.0%
Expected Return on the S&P 500	12.0%	12.0%	12.0%	12.0%
Beta	1.4	1.4	1.4	1.4
g (growth rate in dividends)	0.0%	3.0%	Years 1-3, $g=12.0\%$ After Year 3, $g=3.0\%$	Year 1, $g=20\%$ Year 2, $g=18\%$ Year 3, $g=16\%$ Year 4, $g=9\%$ Year 5, $g=8\%$ Year 6, $g=7\%$ After Year 6, $g=4\%$

What is the value of ABC, Inc.'s stock price using the assumptions contained in Scenario 4?

- A) \$18.52.
- B) \$22.22.
- C) \$26.66.

Question #90 of 133

A \$100 par, perpetual preferred share pays a fixed dividend of 5.0%. If the required rate of return is 6.5%, what is the current value of the shares?

- A) \$100.00.
 - B) \$76.92.
 - C) \$88.64.
-

Question #91 of 133

Obsidian Glass Company has current earnings of \$2.22, a required return of 8%, and the present value of growth opportunities (PVGO) of \$8.72. What is the current value of Obsidian's shares?

- A) \$36.47.
 - B) \$27.75.
 - C) \$10.94.
-

UC Inc. is a high-tech company that currently pays a dividend of \$2.00 per share. UC's expected growth rate is 5%. The risk-free rate is 3% and market return is 9%.

Question #92 of 133

What is the beta implied by a market price of \$40.38?

- A) 1.02.
 - B) 1.20.
 - C) 1.16.
-

Question #93 of 133

Based on CAPM and the Gordon growth model, what is the value of the UC stock if the firm's retention ratio is 0.7, its tax rate is 40%, and its beta is 1.12?

- A) \$44.49.
- B) \$9.72.

C) \$20.79.

Question #94 of 133

Assuming a beta of 1.12, if UC is expected to have a growth rate of 10% for the first 3 years and 5% thereafter, what is the value of UC stock?

A) \$46.89.

B) \$53.81.

C) \$50.87.

Question #95 of 133

Assuming a beta of 1.12, if UC's growth rate is 10% initially and is expected to decline steadily to a stable rate of 5% over the next three years, what is the price of UC stock?

A) \$46.61.

B) \$47.67.

C) \$47.82.

Question #96 of 133

The discounted dividend approach that we have used to value UC Inc. is *most appropriate* for valuing dividend-paying stocks in which:

A) dividends differ substantially from FCFE.

B) free cash flow is negative.

C) the investor takes a minority ownership perspective.

Question #97 of 133

UC Inc. had earnings of \$3.00/share last year and a justified trailing P/E of 15.0. Is the stock currently overvalued, undervalued, or fairly valued if we consider a security trading within a band of ± 10 percent of intrinsic value to be within a "fair value range"? At a market price of \$40.38, UC Inc. is *best* described as:

- A) overvalued.
 - B) undervalued.
 - C) fairly valued.
-

Question #98 of 133

A firm's dividend per share in the most recent year is \$4 and is expected to grow at 6% per year forever. If its shareholders require a return of 14%, the value of the firm's stock (per share) using the single-stage dividend discount model (DDM) is:

- A) \$50.00.
 - B) \$53.00.
 - C) \$28.57.
-

Question #99 of 133

Ambiance Company has a current market price of \$42, a current dividend of \$1.25 and a required rate of return of 12%. All earnings are paid out as dividends. What is the present value of Ambiance's growth opportunities (PVGO)?

- A) \$16.71.
 - B) \$38.85.
 - C) \$31.58.
-

Question #100 of 133

Multi-stage growth models can become computationally intensive. For this reason they are often referred to as:

- A) quadratic models.
 - B) R-squared models.
 - C) spreadsheet models.
-

Question #101 of 133

A firm currently has earnings of \$3.14, and pays a dividend of \$1.00, which is expected to grow at a rate of 10%. If the required return is 15%, what is the current value of the shares using the Gordon growth model?

- A) \$22.00.
 - B) \$69.08.
 - C) \$38.98.
-

Question #102 of 133

The three-stage dividend discount model (DDM) *allows* for an initial period of:

- A) high growth, a transitional period of declining growth and a final stable growth phase.
 - B) high growth, a transitional period of stable growth and a final declining growth phase.
 - C) stable growth, a transitional period of high growth and a final declining growth phase.
-

Question #103 of 133

In which of the following stages is a firm *most likely* to distribute the highest proportion of its earnings in the form of dividends?

- A) Mature stage.
- B) Transition stage.

C) Initial growth stage.

Question #104 of 133

Financial models such as the DDM represent a cornerstone of equity valuation from an academic standpoint. But in the real life, many analysts do not use the DDM. The *least likely* reason for this is:

- A) the model lacks the flexibility required to model values in the real world.
 - B) some of the assumptions required are impractical.
 - C) modern research has shown that many of the old standbys do not work.
-

Question #105 of 133

Demonstrate the use of the DuPont analysis of return on equity in conjunction with the sustainable growth rate expression.

The following statistics are selected from Kyle Star Partners (Kyle) financial statements:

Sales	\$100 million
Net Income	\$15 million
Dividends	\$5 million
Total Assets	\$150 million
Total Equity	\$50 million

What is Kyle's sustainable growth rate?

- A) 24.5%.
 - B) 20.0%.
 - C) 33.3%.
-

Question #106 of 133

An analyst for a small European investment bank is interested in valuing stocks by calculating the present value of its future dividends. He has compiled the following financial data for Ski, Inc.:

	Earnings per Share (EPS)
Year 0	\$4.00
Year 1	\$6.00
Year 2	\$9.00
Year 3	\$13.50

Note: Shareholders of Ski, Inc., require a 20% return on their investment in the high growth stage compared to 12% in the stable growth stage. The dividend payout ratio of Ski, Inc., is expected to be 40% for the next three years. After year 3, the dividend payout ratio is expected to increase to 80% and the expected earnings growth will be 2%. Using the information contained in the table, what is the value of Ski, Inc.'s, stock?

- A) \$43.04.
- B) \$39.50.
- C) \$71.38.

Question #107 of 133

Zephraim Axelrod, CFA, is trying to determine whether Allegheny Mining is a good investment. He decides to use the Gordon Growth model to calculate how much dividend growth shareholders can expect. To that end, he determines the following:

- Share price: \$18.12.
- Dividend: \$0.32 per share.
- Beta: 1.94.
- Industry average estimated returns: 15%.
- Risk-free rate: 5.5%.
- Equity risk premium: 6.3%

Based only on the information above, the implied dividend growth rate is *closest* to:

- A) 15.68%.
 - B) 10.27%.
 - C) 19.89%.
-

Question #108 of 133

A firm pays a current dividend of \$1.00 which is expected to grow at a rate of 5% indefinitely. If current value of the firm's shares is \$35.00, what is the required return applicable to the investment based on the Gordon dividend discount model (DDM)?

- A) 7.86%.
 - B) 8.00%.
 - C) 8.25%.
-

Question #109 of 133

An analyst has collected the following data on two companies:

	Middle Hickory Co.	Lower Elm Inc.
FCFE	Negative	Positive and growing
Capital investment	Significant	Decreasing

Which dividend-discount model is the *best* option for valuing the two companies?

Middle
Hickory.

Lower Elm

- A) Gordon Growth Three-stage
 - B) Two-stage Gordon Growth
 - C) Three-stage Two-stage
-

Question #110 of 133

Which of the following is NOT a component of the sustainable growth rate formula using the DuPont model?

- A) EBIT/interest expense.
 - B) Net income/sales.
 - C) Earnings retention ratio.
-

Question #111 of 133

The Gordon growth model is most likely to produce useful results when the dividend growth rate is:

- A) equal to the required rate of return.
 - B) greater than the required rate of return.
 - C) negative.
-

Question #112 of 133

Which of the following would NOT be appropriate to value a firm with two expected growth stages? A(an):

- A) free cash flow model.
 - B) H-model.
 - C) Gordon growth model.
-

Question #113 of 133

The current market price per share for Burton, Inc. is \$33.33, and an analyst is using the Gordon Growth model to determine whether this is a fair price. The company paid a dividend of \$2.00 last year on earnings of \$2.50 a share. If the required rate of return is 12.00% and the expected growth rate in earnings and in dividends is 6%, the current market price is *most likely*:

- A) correctly valued.
 - B) undervalued.
 - C) overvalued.
-

Question #114 of 133

An investor computes the current value of a firm's shares to be \$34.34, based on an expected dividend of \$2.80 in one year and an expected price of the share in one year to be \$36.00. What is the investor's required rate of return on this investment?

- A) 13%.
 - B) 11%.
 - C) 10%.
-

Question #115 of 133

What is the value of a fixed-rate perpetual preferred share (par value \$100) with a dividend rate of 7.0% and a required return of 9.0%?

- A) \$71.
 - B) \$78.
 - C) \$56.
-

Question #116 of 133

Supergro has current dividends of \$1, current earnings of \$3, and a sustainable growth rate of 10%. What is Supergro's return on equity?

- A) 15%.
 - B) 20%.
 - C) 12%.
-

Question #117 of 133

Multi-stage dividend discount models can be used to estimate the value of shares:

- A) under an almost infinite variety of scenarios.
 - B) only under a limited number of scenarios.
 - C) only when the growth rate exceeds the required rate of return.
-

Question #118 of 133

An investor projects that a firm will pay a dividend of \$1.25 next year, \$1.35 the second year, and \$1.45 the third year. At the end of the third year, she expects the asset to be priced at \$36.50. If the required return is 12%, what is the current value of the shares?

- A) \$31.16.
 - B) \$29.21.
 - C) \$32.78.
-

Question #119 of 133

If the growth rate in dividends is too high, it should be replaced with:

- A) a growth rate closer to that of gross domestic product (GDP).
 - B) the average growth rate of the industry.
 - C) the growth rate in earnings per share.
-

Question #120 of 133

If an asset was fairly priced from an investor's point of view, the holding period return (HPR) would be:

- A) equal to the alpha returns.
 - B) the same as the required return.
 - C) lower than the required return.
-

Question #121 of 133

The most appropriate model for analyzing a profitable high-tech firm is the:

- A) zero growth cash flow model.
 - B) H-model.
 - C) three-stage dividend discount model (DDM).
-

Question #122 of 133

The Gordon growth model is well suited for:

- A) telecom companies.
 - B) utilities.
 - C) biotech firms.
-

Question #123 of 133

The current market price per share for High-on-the-Hog, Inc. is \$52.50, and an analyst is using the Gordon Growth model to determine whether this is a fair price. The company paid a dividend of \$3.00 last year on earnings of \$4.50 a share. If the required rate of return is 11.00% and the expected growth rate in earnings and in dividends is 5%, the current market price is *most likely*:

- A) undervalued.
 - B) correctly valued.
 - C) overvalued.
-

Question #124 of 133

Heather Callaway, CFA, is concerned about the accuracy of her valuation of Crimson Gate, a fast-growing telecommunications-equipment company that her firm rates as a top buy. Crimson currently trades at \$134 per share, and Callaway has put together the following information about the stock:

Most recent dividend per share	\$0.55
Growth rate, next 2 years	30%
Growth rate, after 2 years	12%
Trailing P/E	25.6
Financial leverage	3.4
Sales	\$1198 per share
Asset turnover	11.2
Estimated market rate of return	13.2%

Callaway's employer, Bates Investments, likes to use a company's sustainable growth rate as a key input to obtaining the required rate of return for the company's stock.

Crimson's sustainable growth rate is *closest* to:

- A) 13.2%.
 - B) 14.8%.
 - C) 16.6%.
-

Question #125 of 133

If a firm has a return on equity of 15%, a current dividend of \$1.00, and a sustainable growth rate of 9%, what are the firm's current earnings?

- A) \$1.50.
 - B) \$2.50.
 - C) \$1.75.
-

Question #126 of 133

A firm has the following characteristics:

- Current share price \$100.00.
- Current earnings \$3.50.
- Current dividend \$0.75.
- Growth rate 11%.
- Required return 13%.

Based on this information and the Gordon growth model, what is the firm's justified trailing price to earnings (P/E) ratio?

- A) 8.9.
 - B) 11.3.
 - C) 11.9.
-

Julie Davidson, CFA, has recently been hired by a well-respected hedge fund manager in New York as an investment analyst. Davidson's responsibilities in her new position include presenting investment recommendations to her supervisor, who is a principal in the firm. Davidson's previous position was as a junior analyst at a regional money management firm. In order to prepare for her new position, her supervisor has asked Davidson to spend the next week evaluating the fund's investment policy and current portfolio holdings. At the end of the week, she is to make at least one new investment recommendation based upon her evaluation of the fund's current portfolio. Upon examination of the fund's holdings, Davidson determines that the domestic growth stock sector is currently underrepresented in the portfolio. The fund has stated to its investors that it will aggressively pursue opportunities in this sector, but due to recent profit-taking, the portfolio needs some rebalancing to increase its exposure to this

sector. She decides to search for a suitable stock in the pharmaceuticals industry, which, she believes, may be able to provide an above average return for the hedge fund while maintaining the fund's stated risk tolerance parameters.

Davidson has narrowed her search down to two companies, and is comparing them to determine which is the more appropriate recommendation. One of the prospects is Samson Corporation, a mid-sized pharmaceuticals corporation that, through a series of acquisitions over the past five years, has captured a large segment of the flu vaccine market. Samson financed the acquisitions largely through the issuance of corporate debt. The company's stock had performed steadily for many years until the acquisitions, at which point both earnings and dividends accelerated rapidly. Davidson wants to determine what impact any additional acquisitions will have on Samson's future earnings potential and stock performance.

The other prospect is Wellborn Products, a manufacturer of a variety of over-the-counter pediatric products. Wellborn is a relatively new player in this segment of the market, but industry insiders have confidence in the proven track record of the company's upper management who came from another firm that is a major participant in the industry. The market cap of Wellborn is much smaller than Samson's, and the company differs from Samson because it has grown internally rather than through the acquisition of its competitors. Wellborn currently has no long-term debt outstanding. While the firm does not pay a dividend, it has recently declared that it intends to begin paying one at the end of the current calendar year.

Select financial information (year-end 2005) for Samson and Wellborn is outlined below:

Samson:

Current Price:	\$36.00
Sales:	\$75,000,000
Net Income:	\$5,700,000
Assets:	\$135,000,000
Liabilities:	\$95,000,000
Equity:	\$60,000,000

Wellborn:

Current Price:	\$21.25
Dividends expected to be received at the end of 2006:	\$1.25
Dividends expected to be received at the end	\$1.45

of 2007:	
Price expected at year-end 2007:	\$27.50
Required return on equity:	9.50%
Risk-free rate:	3.75%

Other financial information:

One-year forecasted dividend yield on market index:	1.75%
Consensus long-term earnings growth rate:	5.25%
Short-term government bill rate:	3.75%
Medium-term government note rate:	4.00%
Long-term government bond rate:	4.25%

It is the beginning of 2006, and Davidson wants use the above data to identify which will have the greatest expected returns. She must determine which valuation model(s) is most appropriate for these two securities. Also, Davidson must forecast sustainable growth rates for each of the companies to assess whether or not they would fit within the fund's investment parameters.

Question #127 of 133

Using the Gordon growth model (GGM), what is the equity risk premium?

- A) 3.25%.
- B) 5.50%.
- C) 2.75%.

Question #128 of 133

Davidson is familiar with the use of the capital asset pricing model (CAPM) and arbitrage pricing theory (APT) to estimate the required rate of return for an equity investment. However, there are some limitations associated with both models that should be considered in her analysis. Which of the following is *least likely* a limitation of the CAPM and/or APT?

- A) Model uncertainty, because it is unknown if the use of either model is theoretically correct and appropriate.
 - B) Risk premium exposure, because it fails to consider the implications of an asset's sensitivity to the various risk factors in the market.
 - C) Input uncertainty, because it is difficult to estimate the appropriate risk premiums accurately.
-

Question #129 of 133

Which of the following valuation models would be *most* appropriate in the valuation analysis of Wellborn Products?

- A) The dividend discount model (DDM), because the hedge fund's investment would represent a minority interest in the company.
 - B) The free cash flow model, because the firm does not have a steady dividend payment history.
 - C) The residual income approach, because the firm is likely to have negative free cash flow for the foreseeable future.
-

Question #130 of 133

Davidson needs to determine if the shares of Wellborn are currently undervalued or overvalued in the market relative to the shares' fundamental value. The estimated fair value of Wellborn shares, using a two-period dividend discount model (DDM), is:

- A) \$25.29.
 - B) \$27.69.
 - C) \$27.58.
-

Question #131 of 133

As a part of her analysis, Davidson needs to calculate return on equity for both potential investments. What is last year's return on equity (ROE) for Samson shares?

- A) 9.5%.
 - B) 3.5%.
 - C) 6.5%.
-

Question #132 of 133

Davidson determines that over the past three years, Samson has maintained an average net profit margin of 8 percent, a total asset turnover of 1.6, and a leverage ratio (equity multiplier) of 1.39. Assuming Samson continues to distribute 35 percent of its earnings as dividends, Samson's estimated sustainable growth rate (SGR) is:

- A) 11.6%.
 - B) 6.2%.
 - C) 17.8%.
-

Question #133 of 133

The debate over whether to use the arithmetic mean or geometric mean of market returns for the capital asset pricing model (CAPM):

- A) has little practical effect because they are both very close.
- B) was settled by the work of Harry Markowitz in 1972.
- C) limits its usefulness in estimating the required return of an asset.