

FIN 366: INVESTMENTS EQUITY VALUATION: INTRINSIC VALUE AND DDM CRITICAL THINKING & CONCEPTUAL QUESTIONS

- 1. How should the relationship of the intrinsic value we estimate and the stock's current price inform our investing decisions?
- 2. Why would it make sense to buy a share that is undervalued or short a share that is overvalued? What do we think the market will "realize" or "figure out" about undervalued and overvalued stocks in the future?
- 3. How do we compute the required rate of return on a security?
- 4. What should you do if the required rate of return is greater than the return you expect on a security? Why?
- 5. We can determine the value of a share by taking the present value of an indefinite series of dividends. If we do this, why don't we need to know what the stock price is in the future?
- 6. A younger firm has experienced a high rate of dividend growth recently, though this is expected to fall to a steadier rate in the future. Do you think a (1) dividends over a discrete period model, (2) constant growth model, or (3) multistage growth model of the DDM would be best to value these shares?
- 7. A mature firm has a history of steady dividends over the past several years. Do you think the (1) dividends over a discrete period model, (2) constant growth model, or (3) multistage growth model of the DDM would be best to value these shares?
- 8. In practice, which is most common employed? (1) Dividends over a discrete period, (2) constant growth, or (3) multistage growth model?
- 9. In the two period DDM model, what assumption regarding P_1 and V_1 do we make?
- 10. In the multistage growth model, we may substitute the constant growth formula as the price of the stock P_H in the future. What assumption regarding P_H and V_H do we make for this model to be possible?
- 11. The constant growth DDM requires that *k* be greater than *g*. Why? What would happen if *k* were less than *g*?
- 12. Look at the formulas for the DDM. Will the intrinsic value of a share increase or decrease in each of the following situations (assume everything else is held constant):
 - a. Forecasted dividends increase
 - b. *k* increases
 - c. You forecast a higher P_H
 - d. You forecast a higher g
- 13. CHALLENGE If *g* is the rate at which dividends are expected to grow in perpetuity or forever, what do we think might be some reasonable "ceilings" to this growth rate? *Hint*: do we think a stock can grow faster than the economy overall *forever*?

