BUS-123 Spring 2014	Common Stock Valuation	Name:
Instr: F. Paiano	Formulas	Chapter 6 Notes

Price Multiple Models:

Price-to-Earnings Per Share (P/E) Expected Price = Historical Price-to-Earnings per Share * Earnings per Share * (1 + Expected Growth)

Price-to-Cash Flow per Share (P/CF) Expected Price = Historical Price-to-Cash Flow per Share * Cash Flow per Share * (1 + Expected Growth)

Price-to-Sales per Share (P/S) Expected Price = Historical Price-to-Sales per Share * Sales per Share * (1 + Expected Growth)

Dividend Discount Models:

Dividend Discount Model: (rate = required rate of return)

Dividend Discount Model:

$$Value = \frac{Dividend_{1}}{1 + rate} + \frac{Dividend_{2}}{(1 + rate)^{2}} + \frac{Dividend_{3}}{(1 + rate)^{3}} + etc.$$
$$Value = [Dvd_{1} * PVM_{1}] + [Dvd_{2} * PVM_{2}] + [Dvd_{3} * PVM_{3}] + etc.$$

Zero Growth Model:

(using present value table)

Value of stock = Annual Dividends / Required rate of return

Constant Perpetual Growth Model:



Discounted Cash Flow Model (a.k.a. DDM, Dividends and Earnings Model):

Value of stock = ---

Value of stock = Present Value of Dividends + Present Value of Expected Price of Stock When We Plan to Sell

If company is paying dividends: $Value \ of \ stock = [Dividend_1 * PVM_1] + [Dividend_2 * PVM_2] + [Dividend_3 * PVM_3] + etc. + [Expected Price \ of \ Stock_n * PVM_n]$

If company is not paying dividends: Value of stock = \$0.00 + [Expected Price of Stock_n * PVM_n]

Internal Rate of Return:

=IRR(values,approximate-rate-of-return) where values is the block of cells containing the cash flows, both positive and negative, and approximate-rate-of-return is our best guess as to what the internal rate of return will be