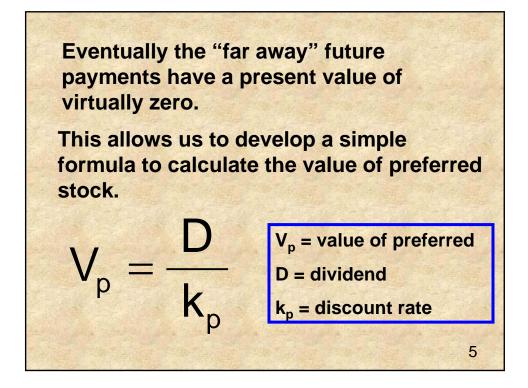
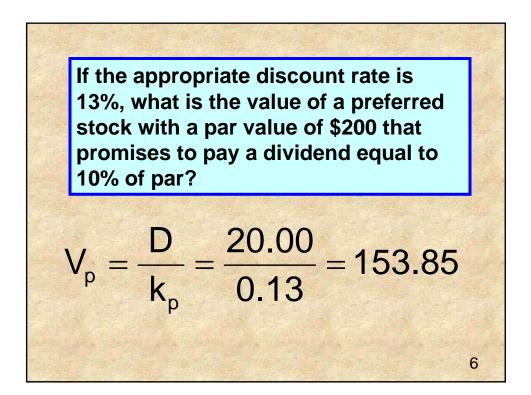
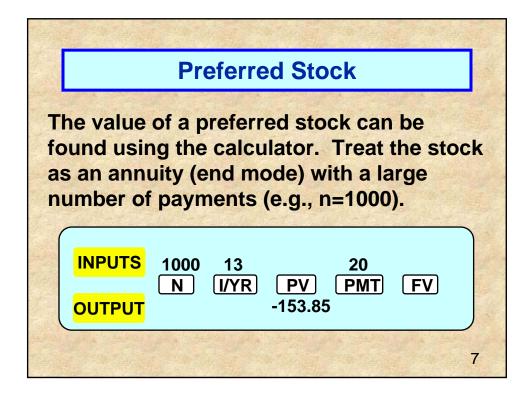


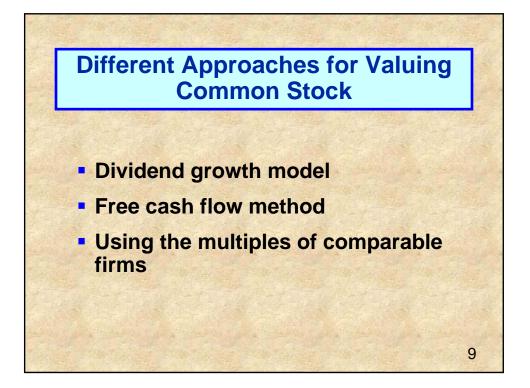
Since the dividend remains the same, the present value of each dividend decreases as time until receipt increases.		
1	PV	FV
13	17.70	20.00
13	10.86	20.00
13	0.04	20.00
13	0.0001	20.00
	I 13 13 13	I PV 13 17.70 13 10.86 13 0.04





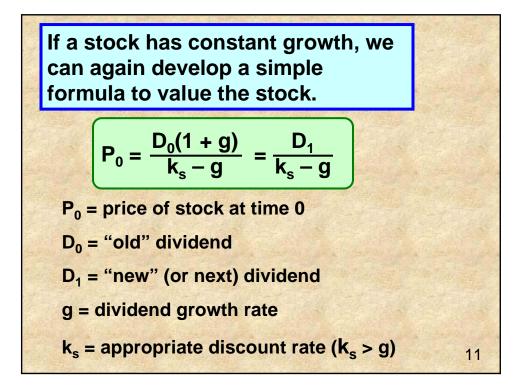


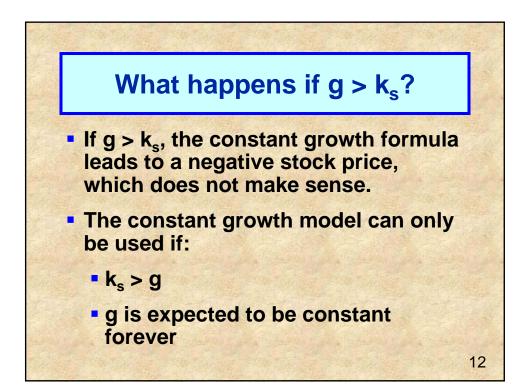


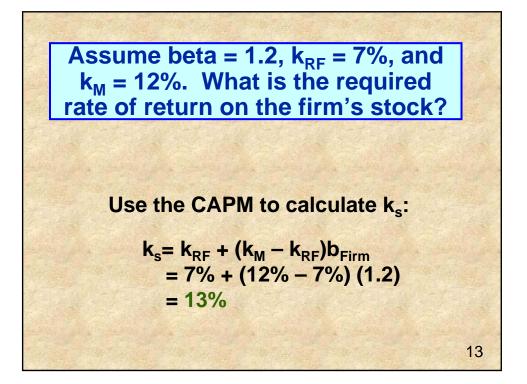


$$\hat{P}_{0} = \frac{D_{1}}{(1+k_{s})^{1}} + \frac{D_{2}}{(1+k_{s})^{2}} + \frac{D_{3}}{(1+k_{s})^{3}} + \dots + \frac{D_{\infty}}{(1+k_{s})^{\infty}}.$$

$$Mhat is a constant growth stock?$$
One whose dividends are expected to grow forever at a constant rate, g.





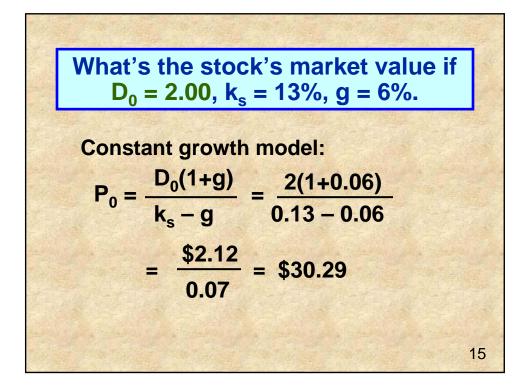


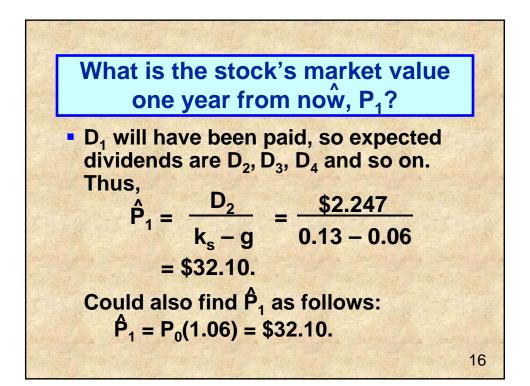
What's the stock's market value?

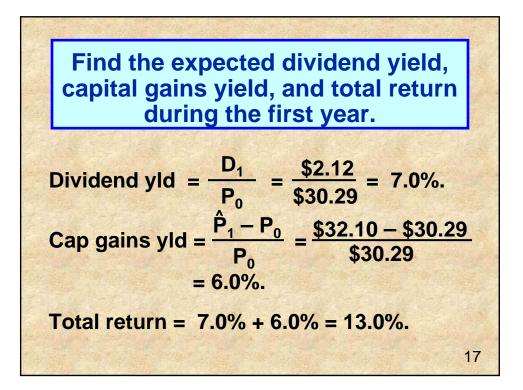
$$D_1 = 3.50$$
, $k_s = 13\%$, $g = 6\%$.

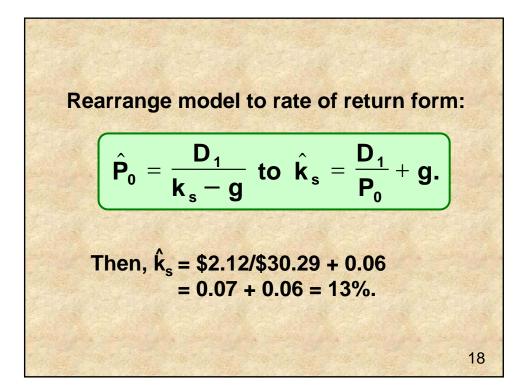
 Constant growth model:

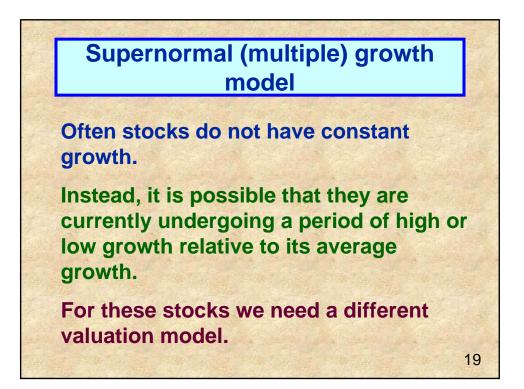
 $P_0 = \frac{D_1}{k_s - g} = \frac{3.50}{0.13 - 0.06}$
 $= \frac{$3.50}{0.07} = 50.00

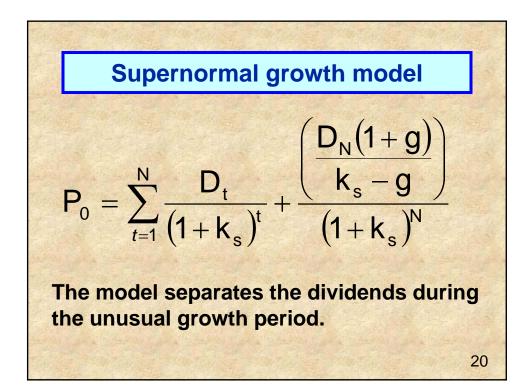


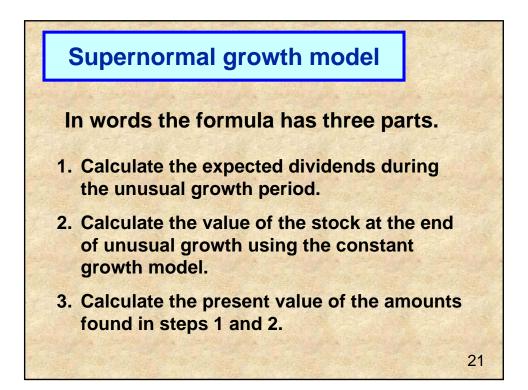


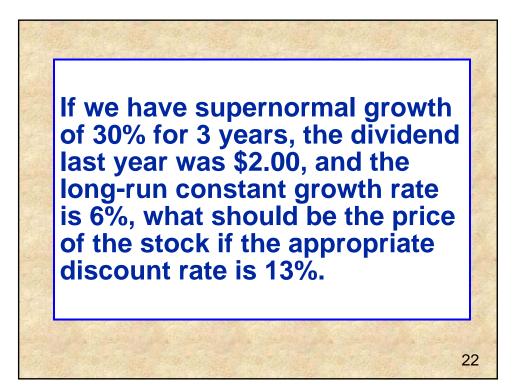


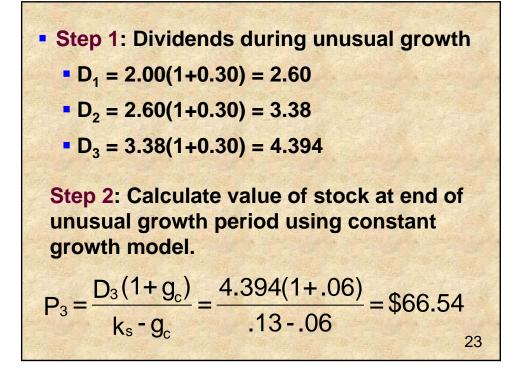




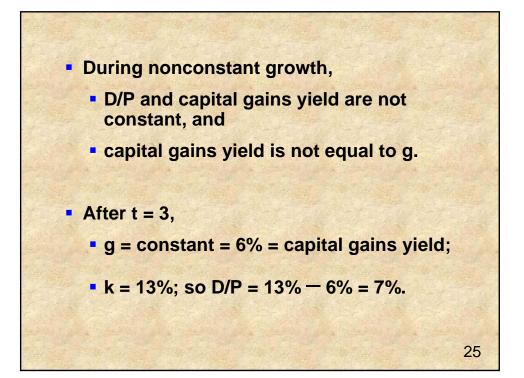


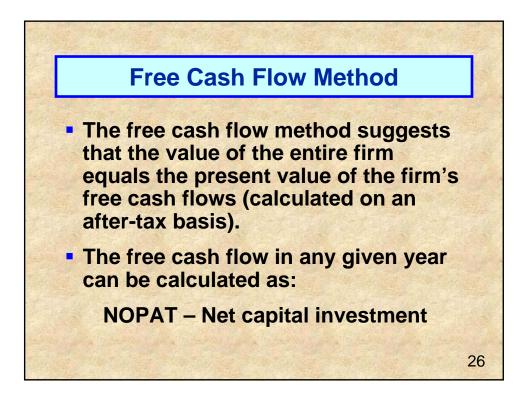


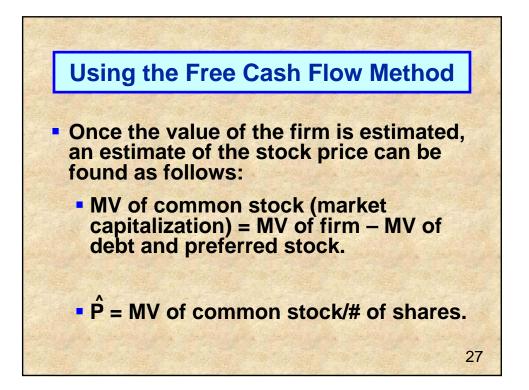


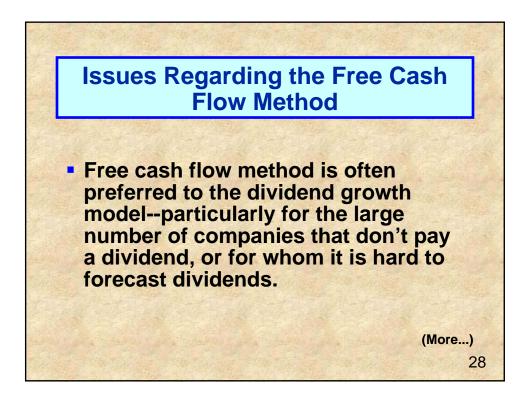


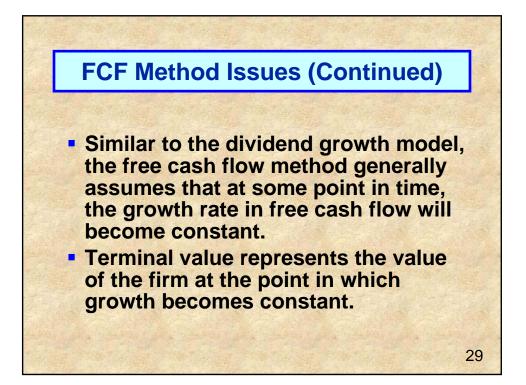
Step 3: Compute the present value of the amounts in steps 1 and 2. (This is an uneven cash flow problem.) CF0 = 0CF1 = 2.60CF2 = 3.38CF3 = 4.394 + 66.54I = 13NPV = 54.11

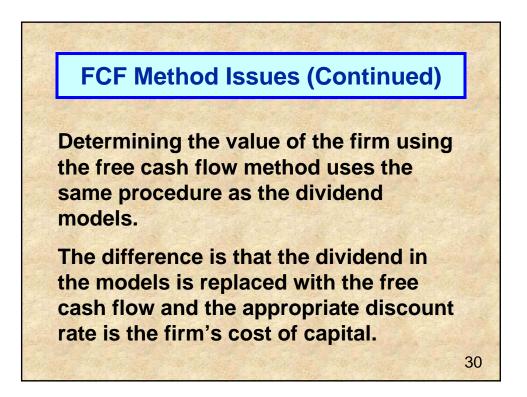


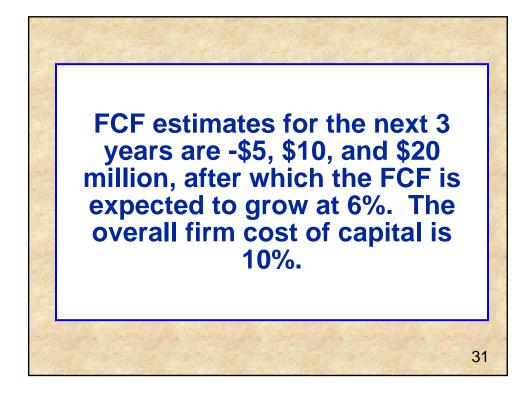


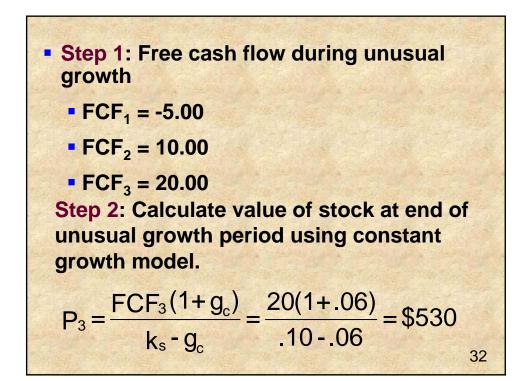


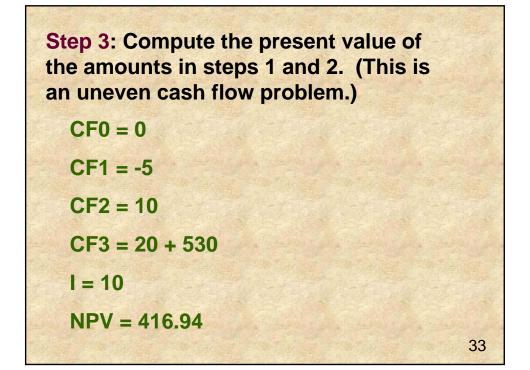


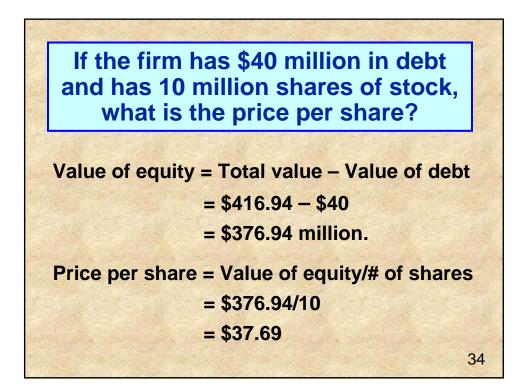


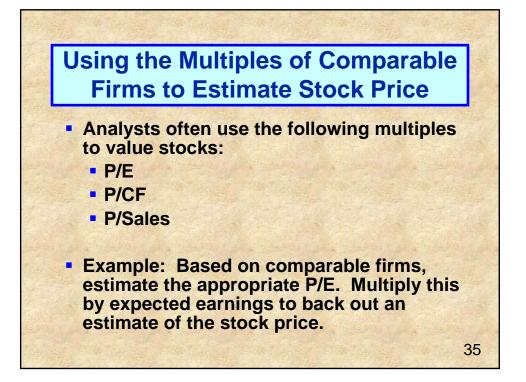


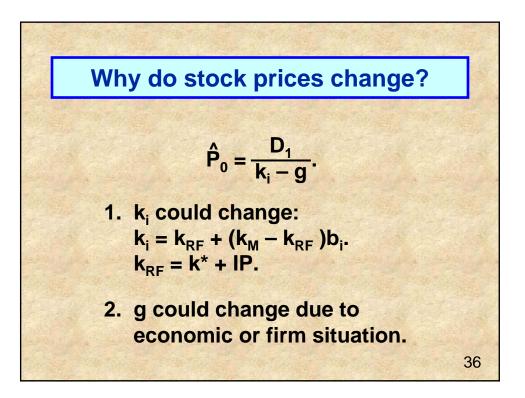












What's the Efficient Market Hypothesis?

Securities are normally in equilibrium and are "fairly priced." One cannot "beat the market" except through good luck or better information.

Weak-form EMH: Cannot profit by looking at past trends. A recent decline is no reason to think stocks will go up (or down) in the future. Evidence supports weak-form EMH, but "technical analysis" is still used.

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Semistrong-form EMH: All publicly available information is reflected in stock prices, so doesn't pay to pore over annual reports looking for undervalued stocks. Largely true, but superior analysts can still profit by finding and using new information.

Strong-form EMH: All information, even inside information, is embedded in stock prices. Not true--insiders can gain by trading on the basis of insider information, but that's illegal.

