## Cheatography

## Corporate Finance LBS exam Cheat Sheet by cchuffart via cheatography.com/20095/cs/2944/

$$PV = \frac{C}{(r-g)} \left[ 1 - \left(\frac{1+g}{1+r}\right)^t \right]$$

## Example

M is 30 and salary next year \$40,000. M forecasts salary will increase by 5% per year until age 60 a)If the discount rate is 8 percent, what is the PV of these future salary payments?PV= 40,000/(.08-0.5) (1-(1+.05/1+.08)<sup>30</sup>) = 76,662.5 b)If M saves 5 percent each year and invests at 8%, saving by age 60?PV(salary) x 0.05 = \$38,033.13 Future value =  $$38,033.13 \times (1.08)_{30} =$ 

332,714.30 c)M plans to spend in even amounts over the 20 y, how much spend each year?  $382,714.30 = C/.08((1-(1/1+.08)^{20}) => c = 38,980.73.$ 



## By cchuffart

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