

Math 105-20 Summer Term II  
Equation sheet

$$FA = PMT \frac{((1+i)^m - 1)}{i}$$

$$PV = PMT \frac{(1 - (1+i)^{-m})}{i}$$

$$PMT = \frac{FA \times i}{((1+i)^m - 1)}$$

$$PMT = \frac{PV \times i}{(1 - (1+i)^{-m})}$$

$$m = \log(1 + \frac{FA \times i}{PMT}) \div \log(1 + i)$$

$$m = -\log(1 - \frac{PV \times i}{PMT}) \div \log(1 + i)$$