MATH 1332 Test 1: Formula Sheet

$$\textit{absolute change} = \textit{new value} - \textit{reference value}$$

$$\textit{relative change} = \frac{\textit{new value} - \textit{reference value}}{\textit{reference value}} \times 100\%$$

$$\textit{absolute difference} = \textit{compared value} - \textit{reference value}$$

$$\textit{relative difference} = \frac{\textit{compared value} - \textit{reference value}}{\textit{reference value}} \times 100\%$$

$$\textit{final value} = (100 + P)\% \times \textit{initial value}$$

$$\textit{initial value} = \frac{\textit{final value}}{(100 + P)\%}$$

$$A = P \times (1 + APR)^{Y}$$

$$A = P \times \left(1 + \frac{APR}{n}\right)^{nY}$$

$$A = P \times e^{(APR \times Y)}$$

$$A = PMT \times \frac{\left[\left(1 + \frac{APR}{n}\right)^{nY} - 1\right]}{\left(\frac{APR}{n}\right)}$$

$$PMT = \frac{P \times \left(\frac{APR}{n}\right)}{\left[1 - \left(1 + \frac{APR}{n}\right)^{(-nY)}\right]}$$

$$\textit{total return} = \frac{(A - P)}{P} \times 100\%$$

$$\textit{annual return} = \left(\frac{A}{P}\right)^{\left(\frac{1}{Y}\right)} - 1$$

$$\textit{current yield} = \frac{\textit{annual interest payment}}{\textit{current price of bond}}$$