

6.5: Percents of Increase or Decrease

$$\text{Percent Change} = \frac{\text{Change (subtract)}}{\text{Original}}$$

$$\text{Percent Error} = \frac{\text{Amount of Error (subtract)}}{\text{Actual}}$$

6.6: Discounts and Markups

Discount - decrease in price

Markup - increase in price

$$\text{part} = \text{percent} * \text{whole}$$

Whole = Original Price

Part = New Price

Percent = (Percent You Pay)

$$100\% - \text{Discount } \%$$

$$100\% + \text{Markup } \%$$

6.7: Simple Interest

$$I = Prt$$

I = Interest

P = Principal (original)

r = rate (as a decimal)

t = time (in years, or months/12)