

Formulas for Percent Problems

$$\text{Markup} = \text{Markup}\% \bullet \text{Cost}$$

$$\text{Regular Price} = \text{Cost} + \text{Markup}$$

$$\text{Discount} = \text{Discount}\% \bullet \text{Regular Price}$$

$$\text{Sale Price} = \text{Regular Price} - \text{Discount}$$

$$\text{Sales Tax} = \text{Sales Tax}\% \bullet \text{Purchase Amount}$$

$$\text{Total Cost} = \text{Purchase Amount} + \text{Sales Tax}$$

$$\text{Commission} = \text{Commission}\% \bullet \text{Sales}$$

$$\text{Earnings} = \text{Regular Pay} + \text{Commission}$$

$$\text{Amount of Change} = \text{Ending Amount} - \text{Starting Amount}$$

$$\text{Percent of Change} = \text{Amount of Change} / \text{Starting Amount}$$