6 - 7
Percent of Increase and Decrease

Percent of Increase/ Decrease :

$$\frac{\text{difference} \cancel{\text{change}}}{\text{original}} \cdot 100$$

Find the percent of increase.

Ex: original amount: 70
   new amount: 84

$$\frac{14}{70} = 0.2$$

20%

Find the percent of increase.

Ex: original amount: 56.8
new amount: 71.2

$$\frac{14.4}{56.8} = .2538 \ldots$$

$$\boxed{25.4\%}$$

Find the percent of decrease.

Ex: original amount: $200
new amount: $175

$$\frac{25}{200} = 0.125$$

$$\boxed{12.5\%}$$

Find the percent of decrease.

Ex: original amount: $12,500
new amount: $9,700

$$\frac{2,800}{12500} = .224$$

$$\boxed{22.4\%}$$

Homework:

p. 292 #1 - 9 odd, 23, 24