

Name \_\_\_\_\_

Date \_\_\_\_\_

Mr. Tallman

**Homework #35 - Percent Change**

1) Tara purchased a DVD player for \$150. Six months later, the same DVD player was selling for \$120. What was the percent of decrease in the price?

Original: \_\_\_\_\_

New: \_\_\_\_\_

Amt change: \_\_\_\_\_

2) Ernie's math average for the first quarter was an 88. His second quarter average decreased by 12.5%. What was his math average for the second quarter?

Original: \_\_\_\_\_

New: \_\_\_\_\_

Amt change: \_\_\_\_\_

3) Last year there were 520 students enrolled at Camp Avenue Elementary School. This year there were 572 students enrolled. What is the percent of increase?

Original: \_\_\_\_\_

New: \_\_\_\_\_

Amt change: \_\_\_\_\_

4) A manufacturing company with 450 employees begins a new product line and must increase their number of employees by 18%. How many total employees does the company now have?

Original: \_\_\_\_\_

New: \_\_\_\_\_

Amt change: \_\_\_\_\_



5) Logan estimated that there were 420 people at a concert with him. The actual number of people at the concert was 375. What was the percent of error of Logan's estimate?

Original (Actual Measurement): \_\_\_\_\_

New (Wrong Measurement): \_\_\_\_\_

Amt change: \_\_\_\_\_

6) Joshua uses his thermometer and finds boiling point of ethyl alcohol to be 75° C. He looks in a reference book and finds the actual boiling point of ethyl alcohol is 80°C. What is his percent error?

Original (Actual Measurement): \_\_\_\_\_

New (Wrong Measurement): \_\_\_\_\_

Amt change: \_\_\_\_\_