

NAME \_\_\_\_\_

HW # \_\_\_\_\_

Show all work. Round all percents to the nearest whole.

1. In 2010, 125 hot-air balloons participated in the Acme Balloon Fiesta. In 2011, 206 hot-air balloons participated. By what percent did the number of balloons increase from 2010 to 2011?
2. David moved from a house that is 89 miles away from his workplace to a house that is 51 miles away from his workplace. What is the percent decrease in the distance from his home to his workplace?
3. The grizzly bear population in Yellowstone National Park in 1970 was about 270. Over the next 35 years, the population increased by about 115%. What was the population in 2005?
4. A piece of property decreased in value by 15%. If the property was worth \$189,000, what is the value of the property now?
5. The price of gasoline rose from \$2.78 to \$3.34 in one week. What was the percent of increase in the price of gasoline?
6. A TV has an original price of \$499. Find the new price after the given percent change.
  - a. 10% increase
  - b. 30% decrease
7. A person's salary is decreased by 20% due to poor performance. After improving his work, the person's salary increased by 20%. Is the person's salary back to the original amount? Explain.  
*Hint: Make up a salary (such as \$100) and calculate the changes in salary.*