Name _____ Date _____ Class_____

Practice C

Percent Increase and Decrease

Find each percent change. Tell whether it is a percent increase or decrease.

1. 150 to 144

2. 1.5 to 2.13

3. 48 to 43.92

_____   _____   _____

Solve each problem.

4. Find the result of 14 increased by 152%.

5. Find the result of decreasing 56 by 38%.

_____   _____

6. At a grocery store, a package of microwave popcorn costs $0.49. At a movie theater, the same amount of popcorn is marked up 410%. What is the popcorn's cost at the movie theater?

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7. A local bookstore sells a cooking book for the retail price of $35.00. An online bookstore sells it for a discount of 37% off the retail price, but you must pay $3.99 for shipping. With shipping, what percent discount from the retail price do you get by using the online bookstore? (Assume there is no sales tax.)

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For 8–11, refer to the graph at right. The Dow Jones Industrial Average (DJIA) is an index that measures the growth or decline of the stock market. The graph shows the DJIA at the close of years 1999 to 2003. Give your answers to the nearest hundredth.

Dow Jones Industrial Average

8. What was the percent change from 1999 to 2000? Was it an increase or decrease?

_____

9. What was the percent change from 2002 to 2003? Was it an increase or decrease?

_____

10. At the close of 2004, the DJIA had increased 3.15% from the close of 2003. Find the DJIA at the close of 2004.

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11. The DJIA at the close of 1999 was an increase of 25.22% from the close of 1998. Find the DJIA at the close of 1998.

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