

Round answers to the nearest tenth of a percent.

1. 153 out of 162 is what %?

2. The cost of gas for Mrs. Spiess' car last year was about \$2400. She bought a new car and the cost this year was \$2000.

a. Increase or decrease? \_\_\_\_\_

b. How much? \_\_\_\_\_ c. % inc. or dec. \_\_\_\_\_

3. The number of students at Ponderosa went from 1850 last year to 1930 this year.

a. Inc. or dec. ? \_\_\_\_\_ b. How much? \_\_\_\_\_

c. % inc. or dec. \_\_\_\_\_

4. 112 is what % of 672? \_\_\_\_\_

5. 18% of \$240.95 is \_\_\_\_\_ (nearest hundredth)

6. 298 out of 400 is what percent?

Solve for  $x$ . Round answers to the nearest tenth, if necessary.

$$7. \quad -18x - 2 = -8x$$

$$8. \quad -3x + 7 = -14x - 15$$

$$9. \quad 8 - 2x + 10 + 6x = -5x + 14 + 3x$$

$$10. \quad \frac{4}{x} = \frac{-5}{12}$$

$$11. \quad 3(5x + 2) = 9(4x - 2)$$

$$12. \quad \frac{3x}{5x - 2} = \frac{-8}{5}$$