

Name: \_\_\_\_\_

This quiz covers: P.7, P.1, and P.2.

**Directions:** Complete all question and **show all applicable work.** Partial credit will be given. All questions are equally weighted.

1.) A company bought two new store locations. The price for both lots was \$147,000 and the second was \$23,000 more than the first. What was the price of each lot?

2.) Solve for  $x$ :

$$\frac{2x + 1}{9} - \frac{x + 4}{6} = 1$$

3.) Given a right triangle with a leg of length 8 inches and hypotenuse of length 10 inches, what is the length of the other leg?

4.) Define what *supplementary angles* are.

5.) Solve for  $x$ :

$$\frac{1}{x} + \frac{1}{3} = 4$$