

1. Suzi bought 3 pairs of pants and 2 shirts for a total cost of \$105.82. Joanna also shopped in the same store and bought 4 pairs of pants and 5 shirts, her total was \$181.32. What is the cost of one pair of pants and one shirt?

2. Solve the equation. Use properties of equality to justify each step.

$$3(2x - 5) + 11 = -9x - 10$$

You need to buy some tires and windshield wipers for your car. Let “**t**” represent the cost of one tire and “**w**” represent the cost of one windshield wiper. Use the equation $4t + 2w = 300$.

3. Explain what VOCABULARY term best represents each part of the equation.

2 _____ t _____

4t _____ 300 _____

4. Explain what each part of the equation means IN CONTEXT of the situation.

2 _____ w _____

4t _____ 4t+2w _____

5. Write an equation of a line in slope intercept form.

a. $m = \frac{-1}{2}$ (6, -7)

b. (6, -1)(9,3)