Solving Linear Equations and Inequalities

Name:

Date:

Vocabulary Review:

In your own words, define each of the following vocabulary terms.

- Equation

- Inequality

- Intersecting Lines

- System of Linear Equations

- Variable

Apply New Learning:

Your older sister runs a lawn mowing business. The cost for a lawn mower and other supplies was $250. She charges $25 per lawn. By the end of the summer, she earned $1,800.

1. Write the linear equation to represent this situation.

2. How many lawns did your sister mow over the summer?

3. Is (-6, 9) a solution to the equation $3x - y = -29$?

4. Tran has $90 to spend at the mall. He bought a pair of jeans for $35 and a belt for $12. If Tran wants to buy a pair of shoes, how much can he spend?

5. If (5, y) is a solution to the equation $x - 5y = 120$, what is value of y?