Name: _____ Date: _____

Ms. Napolitano Independent/Dependent Variables

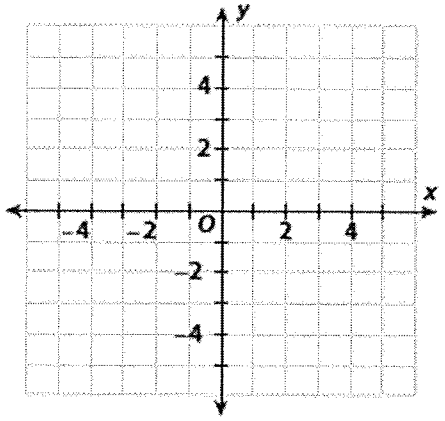
Lesson 21

(Homework Day 1)

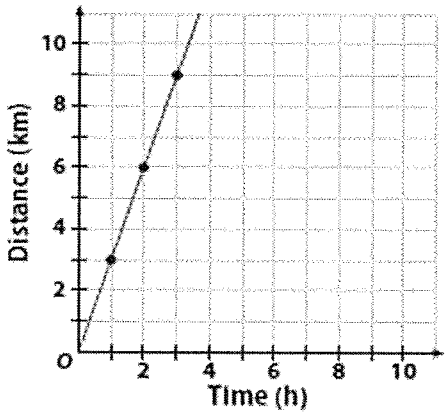
EXERCISES

Graph and label each point on the coordinate plane. (Lesson 12.1)

1. (4, 4)
2. (−3, −1)
3. (−1, 4)



Use the graph to answer the questions. (Lesson 12.2)



4. What is the independent variable? _____
5. What is the dependent variable? _____
6. Describe the relationship between the independent variable and the dependent variable.

_____

Name: _____ Date: _____

Ms. Napolitano Independent/Dependent Variables

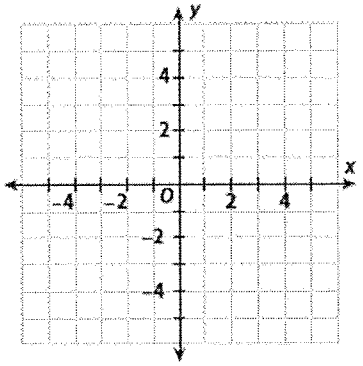
Lesson 21

Homework (Day 3)

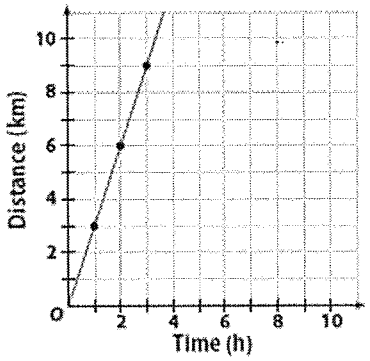
EXERCISES

Graph and label each point on the coordinate plane. (Lesson 12.1)

1. (4, 4)
2. (−3, −1)
3. (−1, 4)



Use the graph to answer the questions. (Lesson 12.2)



4. What is the independent variable? _____
5. What is the dependent variable? _____
6. Describe the relationship between the independent variable and the dependent variable.

_____

RSCS Name:_____

Class:_____ Date:_____

Cal Tech Homework

On separate paper!

Tell which equation you would choose to solve for one of the variables when solving the system by substitution. Explain your reasoning.

1. $y = 5x - 2$
$2x + 9y = 10$

2. $3x - 7y = 12$
$3x - 12y = 6$

3. $\frac{1}{5}x + y = 8$
$4x - 3y = 1$

Solve the system of linear equations by substitution. Check your solution.

4. $y = x + 3$
$y = 5x - 5$

5. $y = 3x - 1$
$y = x - 7$

6. $x = 5y + 2$
$x - 4y = 5$

Solve the system of linear equations by elimination. Check your solution.

1. $x - y = 4$
$x + y = 2$

2. $x + 3y = 5$
$2x - 3y = 1$

3. $4x - y = 7$
$4x - 2y = 2$

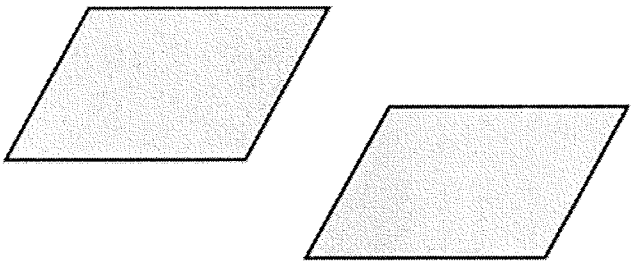
RSCS Name:_____

Class:_____ Date:_____

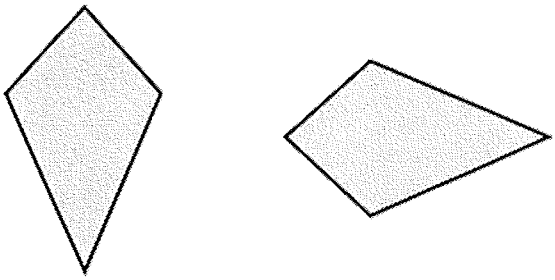
Johns Hopkins Homework

Tell whether the right figure is a translation of the left figure.

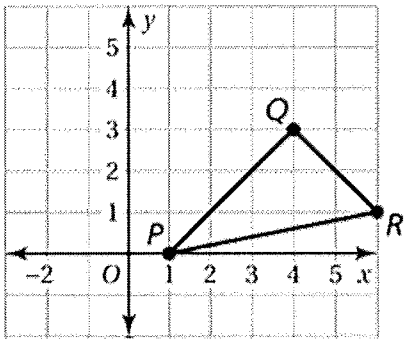
1.



2.



3. Translate the triangle 3 units left and 2 units up. What are the coordinates of the image?



Describe the translation of the point to its image.

4. $(1, 5) \rightarrow (-1, 1)$

5. $(-2, -3) \rightarrow (-2, 4)$

Draw the figure and its reflection in the *y*-axis. Identify the coordinates of the image.

5. $X(0, -1), Y(2, 3), Z(4, -2)$

6. $U(-5, 1), V(-4, -2), W(-2, 0)$

7. What does the word MOM spell when it is reflected in a horizontal line?

The coordinates of a point and its image are given. Is the reflection in the *x*-axis or *y*-axis?

8. $(-5, 2) \rightarrow (5, 2)$

9. $(4, 3) \rightarrow (4, -3)$