## Coordinate Algebra Review Worksheet for Unit 5 Quiz

| Name | Class Period |
|------|--------------|
|      |              |

point acute angle one-to-one line obtuse angle pre-image line segment straight angle image adjacent angles distance along a line isometry parallel lines vertical angles rigid perpendicular lines linear pair congruent complementary angles similar ray angle supplementary angles bisect

right angle circle

## **Cumulative Review**

Solve the following systems of linear equations. Use the method of your choice (substitution, elimination, or graphing).

1. 
$$6x - 9y = 18$$
$$2x - 3y = 10$$

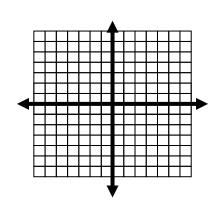
2. 
$$x-2y=5$$
  
 $3x-5y=8$ 

3. 
$$x - y = 8$$
$$2x = 2y + 16$$

4. Rent-A-Car rents compact cars for a fixed amount per day plus a fixed amount for each mile driven. Ben rented a car for 6 days, drove it 550 miles, and spent \$337. Larry rented the same car for 3 days, drove it 350 miles, and spend \$185. What is the charge per day and the charge per mile for the compact car?

Graph the inequality.

5. 
$$9x - 3y > 12$$



<sup>\*</sup>You need to know the following vocabulary words and how to apply them.

<sup>\*</sup>Be able to tell <u>algebraically</u> and <u>graphically</u> whether a function is even, odd, or neither.

<sup>\*</sup>Know how to <u>translate</u>, <u>reflect</u>, and <u>rotate</u> points and images.