

Coordinate Algebra
Review Worksheet for Unit 5 Quiz

Name _____ Class Period _____

*You need to know the following vocabulary words and how to apply them.

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

*Be able to tell algebraically and graphically whether a function is even, odd, or neither.

*Know how to translate, reflect, and rotate points and images.

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. $9x - 3y > 12$

