

Name _____ Date _____ Period _____



INVERSE FUNCTIONS WORKSHEET #2

Inverse Relations

Find the inverse for each relation.

1. $\{ (1, -3), (-2, 3), (5, 1), (6, 4) \}$

2. $\{ (-5, 7), (-6, -8), (1, -2), (10, 3) \}$

Finding Inverses

Find an equation for the inverse for each of the following functions.

3. $y = -5x - 7$

4. $y = \frac{1}{2}x + 8$

5. $y = 12x - 3$

6. $y = -\frac{5}{8}x + 10$

Verifying Inverses

Verify that f and g are inverse functions.

7. $f(x) = 5x + 2, g(x) = \frac{x-2}{5}$

Verifying Inverses

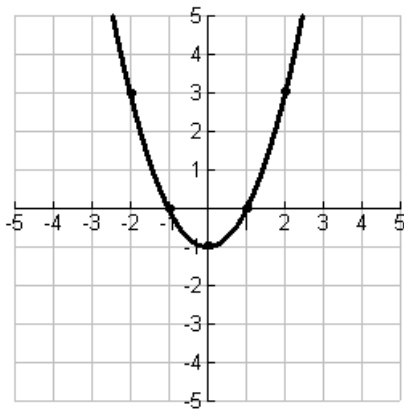
Verify that f and g are inverse functions.

8. $f(x) = -4x + 8$, $g(x) = -\frac{1}{4}x + 2$

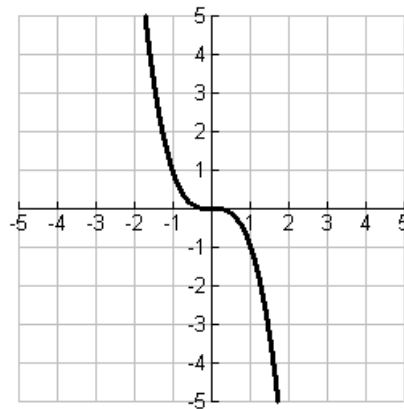
Graphing Inverses

Graph the inverse for each relation below (put your answer on the same graph).

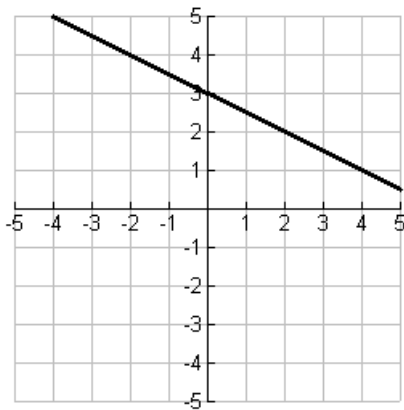
9.



10.



11.



12.

