**Assignment: Transforming Functions**

Name \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Date \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Period \_\_\_\_\_\_\_\_

Unit 7

Day 5

Given

Domain:

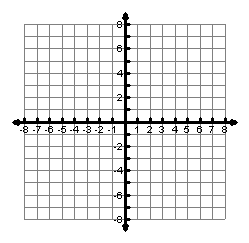
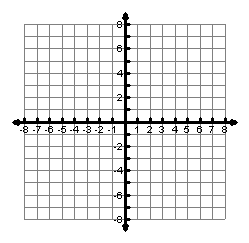
Range:

Zeros:

For what value of *x*, does *g(x)* = 2?

For what values of *x*, is ?

Use the graph of to graph:

1. 2.

Domain:

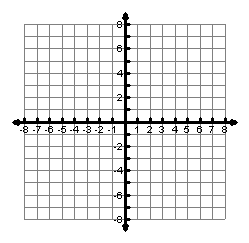
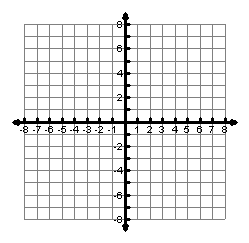
Range:

For what values of *x* is *y* = -2?

Domain:

Range:

For what values of *x* is *y* = 2?

3. 4.

Domain:

Range:

For what values of *x* is *y* = 0?

?

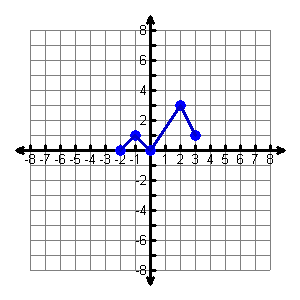
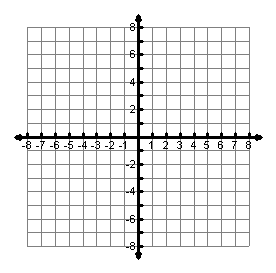
Domain:

Range:

What are the zeros of *y*?

5.

Given



Domain:

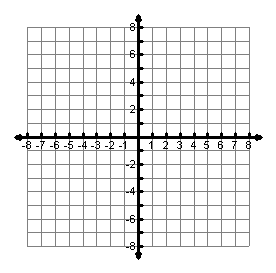
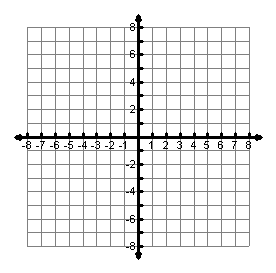
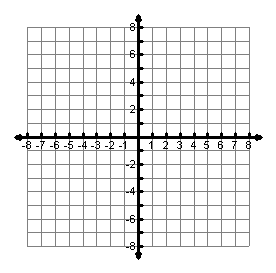
Range:

For what values of *x* is *y* = 2?

Domain:

Range:

For what values of *x* is *y* = 0?

6. 7.

Domain:

Range:

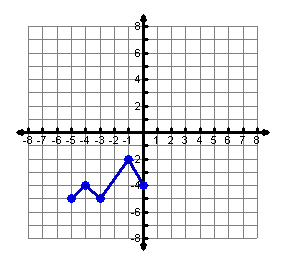
What are the zeros of *y*?

Domain:

Range:

For what values of *x* is *y* = -2?

8. 9. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_



Domain:

Range:

For what values of *x* is *y* = -3?