![Description: Description: [image]]()**Assignment: Transforming Functions**

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

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

Unit 7

Day 5

Given $g(x)$

 Domain:

 Range:

 Zeros:

 For what value of *x*, does $g\left(x\right)=-1$*g(x)* = 2?

 For what values of *x*, is $g\left(x\right)=0$?

Use the graph of $g(x)$ to graph:

![Description: Description: Description: [image]]()![Description: Description: Description: [image]]()1. $y=g\left(x-3\right)+2$ 2. $y=-g\left(x+2\right)$

Domain:

Range:

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

Domain:

Range:

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

![Description: Description: Description: [image]]()![Description: Description: Description: [image]]()3. $y=2g(x)$ 4. $y=\frac{1}{2}g\left(x\right)$

Domain:

Range:

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

?

Domain:

Range:

What are the zeros of *y*?

 5. $y=-h\left(x\right)+2$

Given $h(x)$

![Description: Description: Description: [image]]()![Description: Description: [image]]()

Domain:

Range:

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

Domain:

Range:

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

![Description: Description: Description: [image]]()![Description: Description: Description: [image]]()![Description: Description: Description: [image]]()6. $y=h\left(x+2\right)-3$ 7. $y=\frac{1}{2}h\left(x+3\right)$

Domain:

Range:

What are the zeros of *y*?

Domain:

Range:

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

8. $y=2h\left(x-2\right)-3$ 9. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

![Description: Description: [image]]()

Domain:

Range:

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