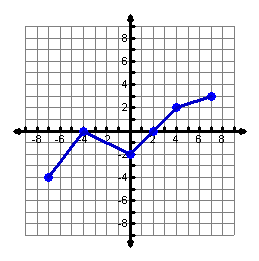
**Assignment: Review Transformations**

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

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

Given: NO CALCULATOR



Domain: *f*(-7) =

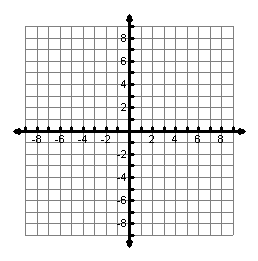
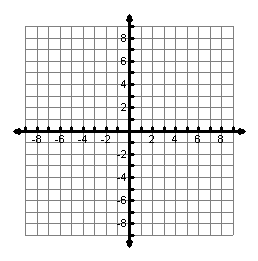
Range: *f*(4) =

Zeros: *f*(0) =

For what values of *x* is *f(x)* = 2?

**Use the graph of *f(x)* to graph:**

1. 2.



Domain:

Range:

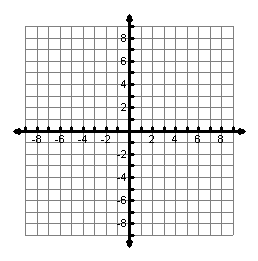
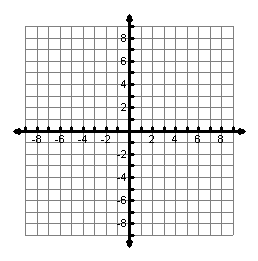
For what values of *x* is *y* = 0?

Domain:

Range:

How many zeros does *y* have?

3. 4.



Domain:

Range:

For what values of *x* is *y* = 4?

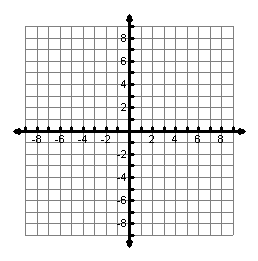
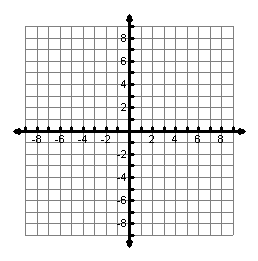
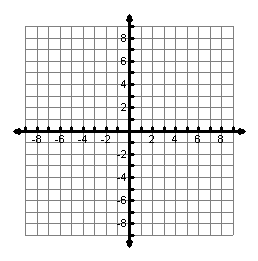
Domain:

Range:

What are the zeros of *y*?

**Graph each function.**

5. 6. 7.



Domain:

Range:

For what values of *x*

is *f(x)* > -5?

Domain:

Range:

For what values of *x*

is *f(x)* = 4?

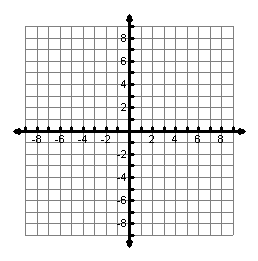
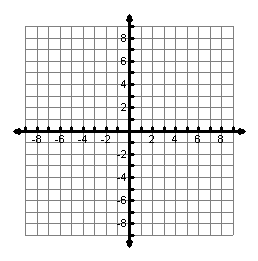
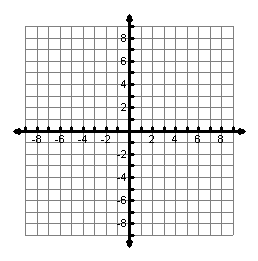
Domain:

Range:

How many zeros

does *f(x)* have?

8. 9. 10.



Domain:

Range:

How many zeros does

*f(x)* have?

Domain:

Range:

For what values of *x*

is *f(x)* = -2?

Domain:

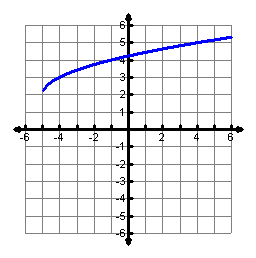
Range:

For what values of x

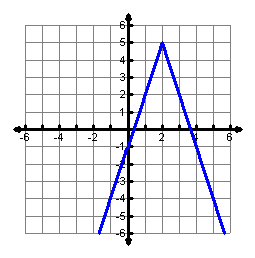
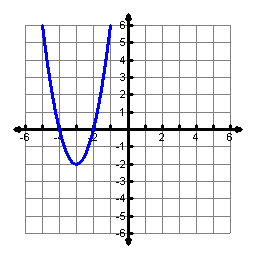
is *f(x)* < -2?

**Write the function shown on each graph below.**

11. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ 12. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ 13. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_



**P**



**Put each equation into vertex form, name the vertex and graph.**

14. 15. 16.

Vertex:

Domain:

Range:

For what values of x

is *f(x)* = 5?

Vertex:

Domain:

Range:

How many zeros does

*f(x)* have?

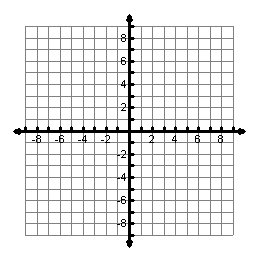
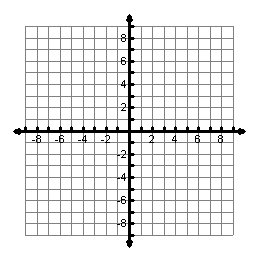
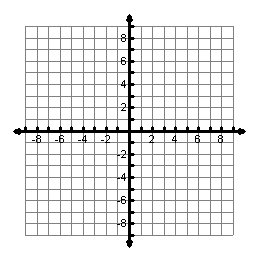
Vertex:

Domain:

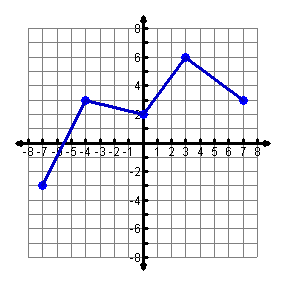
Range:

For what values of x

is *f(x)* < 6?

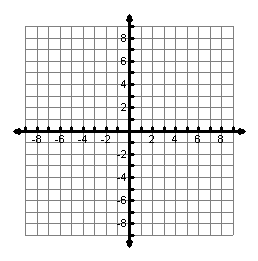
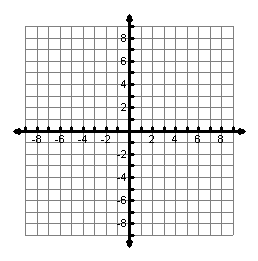


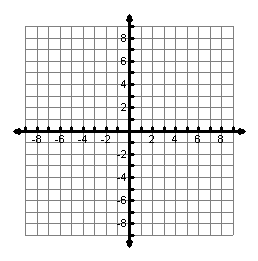
17. Graph the inverse of *f(x)*.



**Graph each function and the inverse.**

18. 19.



**Graph the function, find the inverse algebraically and graph the inverse.**

20.