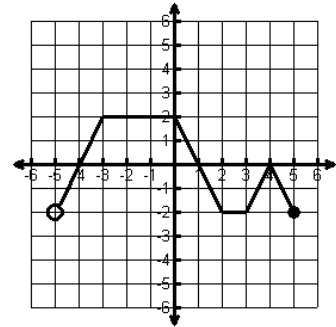


Review Functions – Interval Notation and Set Notation.

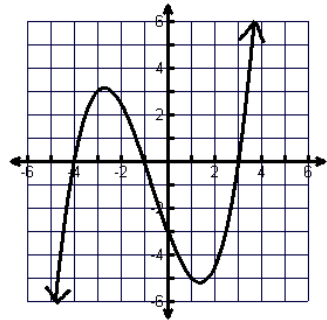
- 1) Given  $m(x) = -3x^2 + 5x - 4$ , find  $m(-2)$ .
- 2) Given  $f(3.7) = 6$ , \_\_\_\_\_ is the input and \_\_\_\_\_ is the output.
- 3) If  $g(x) = 3x - 8$ , and  $g(x) = 7$ , find  $x$ .

State the domain and range in interval and set notation.

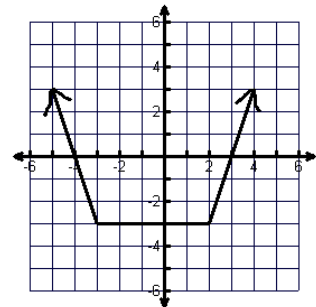
- 4) Interval Domain: \_\_\_\_\_  
 Range: \_\_\_\_\_
- Set Domain: \_\_\_\_\_  
 Range: \_\_\_\_\_



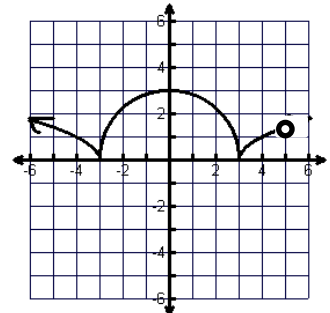
- 5) Interval Domain: \_\_\_\_\_  
 Range: \_\_\_\_\_
- Set Domain: \_\_\_\_\_  
 Range: \_\_\_\_\_



- 6) Interval Domain: \_\_\_\_\_  
 Range: \_\_\_\_\_
- Set Domain: \_\_\_\_\_  
 Range: \_\_\_\_\_



- 7) Interval Domain: \_\_\_\_\_  
 Range: \_\_\_\_\_
- Set Domain: \_\_\_\_\_  
 Range: \_\_\_\_\_



8)

Given

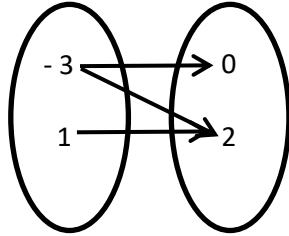
x	-3	2	6	9
y	6	8	4	-3

Find  $f^{-1}(6) =$  \_\_\_\_\_

If  $f^{-1}(x) = 6$ , then  $x =$  \_\_\_\_\_.

9)

Given:



State the set of ordered pairs. \_\_\_\_\_

Domain: \_\_\_\_\_

Range: \_\_\_\_\_

Inverse : \_\_\_\_\_

10)

Given the following graph. Find each of the following.

$f^{-1}(1) =$  \_\_\_\_\_

$f^{-1}(x) = 1$ , then  $x =$  \_\_\_\_\_

