

## ***Intermediate Algebra Skill***

### **Finding the Domain and Range: Given a Set of Ordered Pairs**

Find the Domain and Range:

$$1) f = \{(-4,8),(-2,9),(-1,10),(0,-4)\}$$

$$2) F = \{(8,-3),(2,-6),(-6,-4)\}$$

$$3) G = \{(2,-3),(1,8),(2,7),(3,10),(0,-3)\}$$

$$4) g = \{(-5,-2),(-1,-1),(12,-4),(-1,-12)\}$$

$$5) h = \{(1/2,0),(-4/3,0),(1/8,0),(0,0)\}$$

$$6) H = \{(4,3),(4,4),(4,5),(4,6),(4,7)\}$$

$$7) J = \{(-1,1),(-2,2),(-3,3)\}$$

$$8) j = \{(-1,1),(-1,2),(2,3)\}$$

$$9) K = \{(0,-1),(1,5),(2,5)\}$$

$$10) k = \{(5,5),(2,6),(5,-1)\}$$

## Answers to Finding the Domain and Range: Given a Set of Ordered Pairs

1)  $D = \{-4, -2, -1, 0\}, R = \{8, 9, 10, -4\}$

2)  $D = \{8, 2, -6\}, R = \{-3, -6, -4\}$

3)  $D = \{2, 1, 3, 0\}, R = \{-3, 8, 7, 10\}$

4)  $D = \{-5, -1, 12\}, R = \{-2, -1, -4, -12\}$

5)  $D = \{1/2, -4/3, 1/8, 0\}, R = \{0\}$

6)  $D = \{4\}, R = \{3, 4, 5, 6, 7\}$

7)  $D = \{-1, -2, -3\}, R = \{1, 2, 3\}$

8)  $D = \{-1, 2\}, R = \{1, 2, 3\}$

9)  $D = \{0, 1, 2\}, R = \{-1, 5\}$

10)  $D = \{5, 2\}, R = \{5, 6, -1\}$