

**Intermediate Algebra Skill****Identifying Functions and Relations: Given a Set of Ordered Pairs**

Decide Whether the given relation defines a function or not.

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

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

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

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

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

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

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

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

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

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

## **Answers to Identifying Functions and Relations: Given a Set of Ordered Pairs**

- 1) Function
- 2) Function
- 3) Not a Function
- 4) Not a Function
- 5) Function
- 6) Not a Function
- 7) Function
- 8) Not a Function
- 9) Function
- 10) Not a Function