

## 2.2 Re-Teach Worksheet

Intermediate Algebra

Name \_\_\_\_\_

**Learning Target:** I understand the meaning of function notation and can evaluate functions for a given input.

**1. Given:**

$$f(x) = 2x - 8$$

$$g(x) = 2x^2 + 3x - 1$$

$$h(x) = x + 4$$

**Find:**

a.  $h(-5)$

b.  $f(-1)$

c.  $g(3)$

d.  $h(0) + f(5)$

e. Find  $x$  if  $h(x) = 14$

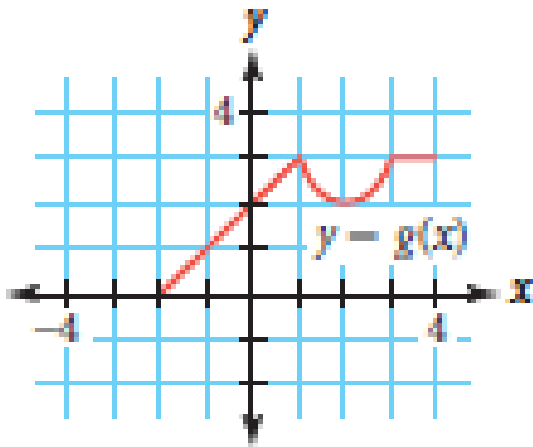
f. Find  $x$  if  $f(x) = -20$

g. Compare the two expressions below as greater than, less than, or equal to. Show your work!

Options:  $>$ ,  $<$ ,  $=$

$$g(2) \text{ _____ the value of } x \text{ when } h(x) = 5$$

**2. Use the graph to find the following:**



a.  $g(1)$

b.  $g(-2)$

c. Find  $x$  when  $g(x) = 1$

d. Find all values of  $x$  that make  $g(x) = 2$

**3.**

$x$	$f(x)$
-3	4
-2	-1
7	3
0	2

a. Find  $f(-3)$

b. What is  $x$  when  $f(x) = 2$