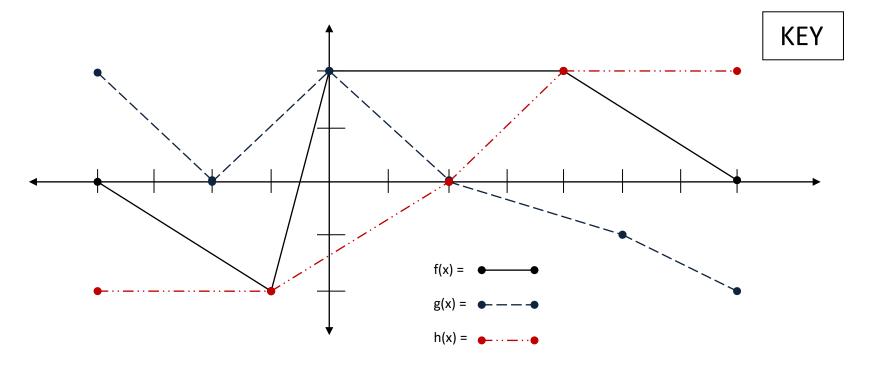
College Review Math

Section 4B "graphs"



Find the following:

1)
$$f(-1) + h(7) = -2 + 2 = 0$$

2)
$$g(0) - h(-1) = 2 - (-2) = 4$$

3)
$$f(0) + g(5) + h(-4) = 2 + (-1) + (-2) = -1$$

4)
$$g(7) - f(4) + h(4) = -2 - 2 + 2 = -2$$

$$f(x) = g(x)$$
? 0
 $g(x) = h(x)$? 2
 $f(x) = h(x)$? -1, 4

6) Where is
$$f(x) > g(x)$$
?

$$\{0 < x \le 7\}$$

7) Where is
$$g(x) \le h(x)$$
?

$$\{2 \le x \le 7\}$$

8) Where is
$$f(x) - h(x)$$
? positive?

$$\{-4 \le x < 4, x \ne -1\}$$
 OR
 $\{-4 \le x < -1 \text{ or } -1 < x < 4\}$

9) The max value of
$$g(x) - h(x)$$

$$g(-4) - h(-4) = 2 - (-2) = 4$$

10) The min value of
$$f(x) - h(x)$$

$$f(7) - h(7) = 0 - 2 = -2$$

11) Where is
$$h(x) - g(x)$$
 negative?

$$\{-4 \le x < 2\}$$