Secondary 1 Honors

Name_____

Critical Review #3

Date_____ Period_____

Evaluate each using the values given.

1) $y + x + z$; use $x = 1$, $y = 2$, and $z = 3$

2) $m + n - n$; use $m = 1$, and $n = 5$

3) $6 - x - y$; use $x = 3$, and $y = 1$

4) $y(x + y)$; use $x = 3$, and $y = 5$

5) $p^2 + q$; use $p = 4$, and $q = 4$

6) $q(p + r)$; use $p = 5$, $q = 5$, and $r = 2$

Simplify each expression.

7) $6k + 6 + 9 + 4k$

8) $7 - 8x - 10x - 8$

9) $-4(-10 + 7x)$

10) $10(6 + 6x)$

11) $-6(7n + 6) + 2$

12) $-1 - 10(3a - 5)$

Solve each equation.

13) $8v - 7 = 14 + v$

14) $2k = -2k - 3k$

15) $4n - 2 = -n + 5n$

16) $0 = 5x + 8 + 2$

17) $-3p - p = 20$

18) $8 + 6b - 3 = -19$

19) $220 = -4(1 - 8r)$
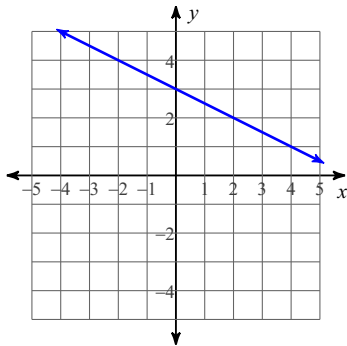
20) $85 = 4x - 3(1 + 5x)$

21) $-6k - 6(k + 2) = -84$

22) $-n - 4(6 - 7n) = -24 - n$

23) $-2m - 16 = 3(8 - 5m) + 3m$
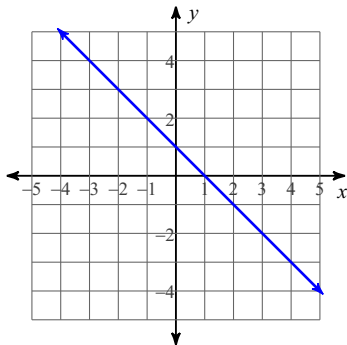
24) $8 + 4(x - 8) = -24 + 4x$

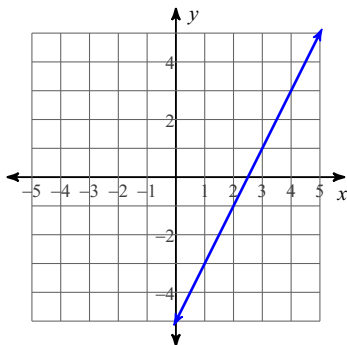**Using the graph below, if x=4, what is the value of y?**

25)

Using the graph below, if y=2, what is the value of x?
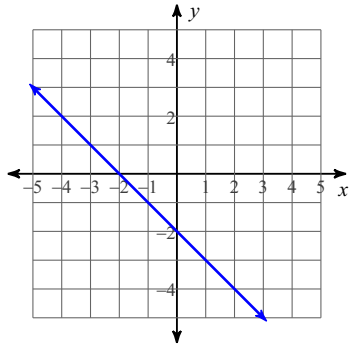
26)

Using the graph below, if x=1, what is the value of y?
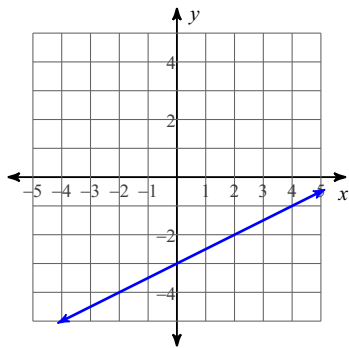
27)

Using the graph below, if y= -1, what is the value of x?

28)

Using the graph below, if x= -2, what is the value of y?

29)

Using the graph below, if x=1, what is the value of y?

30)