

Review for Final Assignment #1

Date _____

Evaluate each function.

1) $h(x) = x^2 - 4$; Find $h(-1)$

2) $g(x) = 2x + 2$; Find $g(-8)$

3) $f(x) = 4x - 1$; Find $f(-4)$

4) $w(a) = a^2 + 3a$; Find $w(-10)$

5) $h(x) = -2x^3 + 2x$; Find $h(3)$

6) $k(x) = -3x^3 + 2$; Find $k(-2)$

Simplify each expression.

7) $-9a + 10 - 3a$

8) $4(b - 9)$

9) $3(-1 + 4m) + 2$

10) $-9(8b + 2) + 2$

Solve each equation.

11) $3a + 3a = -24$

12) $0 = 7x + 5x$

$$13) 84 = -3(2n - 8) - 4n$$

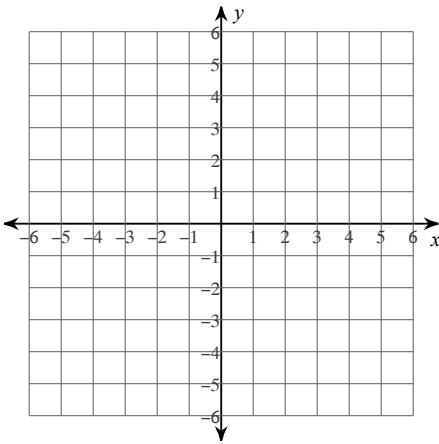
$$14) -8(-6 - 3m) = 120$$

$$15) -3x - 2(x + 2) = 4x + 5$$

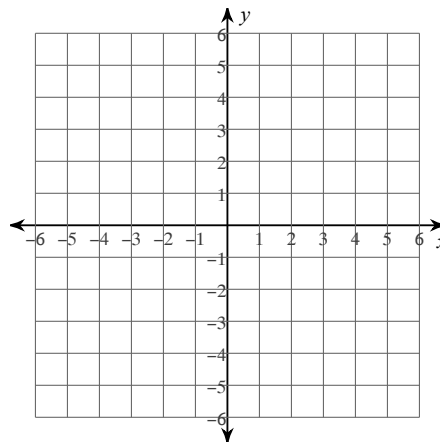
$$16) -7(1 - 3b) + 3b = -b - 32$$

Sketch the graph of each line.

$$17) y = x + 5$$



$$18) y = \frac{1}{2}x + 4$$



Answers to Review for Final Assignment #1

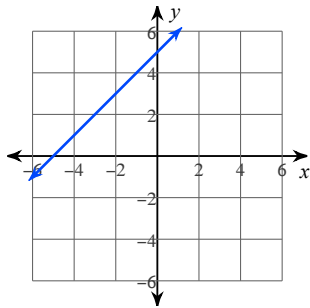
1) -3

5) -48

9) $-1 + 12m$

13) $\{-6\}$

17)



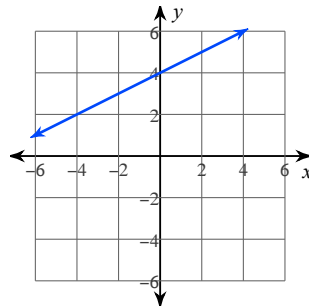
2) -14

6) 26

10) $-72b - 16$

14) $\{3\}$

18)



3) -17

7) $-12a + 10$

11) $\{-4\}$

15) $\{-1\}$

4) 70

8) $4b - 36$

12) $\{0\}$

16) $\{-1\}$