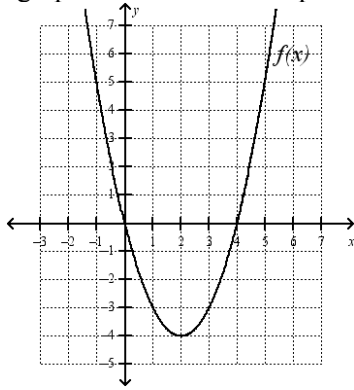# Assignment 1

Chapter 4

1. Use the graph below to answer questions a-e.

a) Find x values where $y = 5$.

b) Find $f(3)$

c) Find the y value when $x = 4$.

d) Find $f(-1)$

e) Find the x value where the function is a minimum.

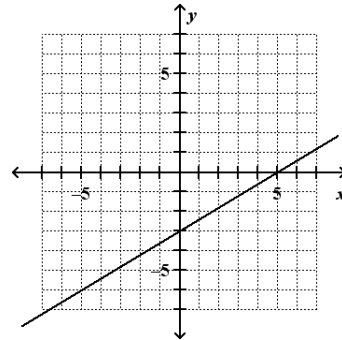2. Use the function h as defined below to answer questions a-e.

$h(x) = \{(-2,3),(-1,5),(0,-2),(1,6),(2,0)\}$

a) Find $h(2)$.

b) Find the y value paired with $x = -1$.

c) Find $h(0)$.

d) Find the x value paired with a y value of 5.

e) If h was graphed, what would be the y intercept?
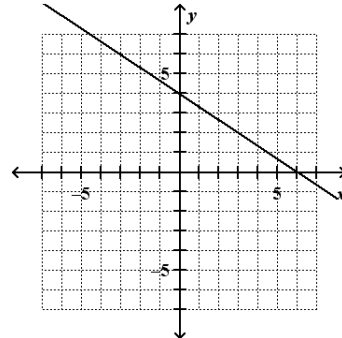

Chapter 5

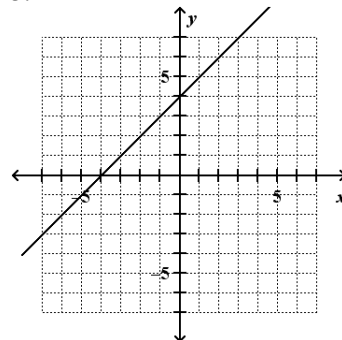*Find the x and y intercepts.*

1.

x - intercept = _____ ; y - intercept = _____

2.

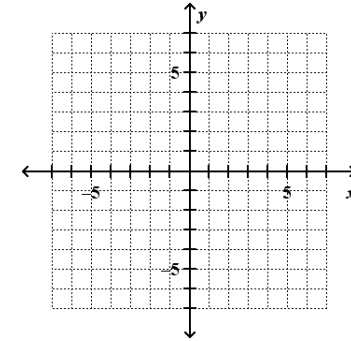x - intercept = _____ ; y - intercept = _____

3.

x - intercept = _____ ; y - intercept = _____
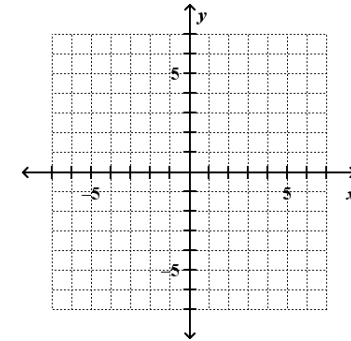

Name: _____

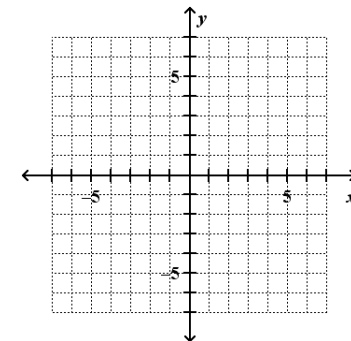*Draw a line with the given intercepts. Be sure to get **all** the "good points".*

1. x - intercept = 3; y - intercept = -2

2. x - intercept = -1; y - intercept = 3

3. x - intercept = 6; y - intercept = -4

Chapter 2

1. Solve for a: $a + b = c$

2. Solve for b: $a + b = c$

3. Solve for a: $a - b = c$

4. Solve for a: $ab = c$

5. Solve for b: $ab = c$

6. Solve for a: $a + 6 = c$

7. Solve for b: $a + b = 5$

8. Solve for a: $a - 2 = c$

9. Solve for b: $3b = c$

10. Solve for b: $ab = 8$

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1. Solve for a: $a + c = d$

2. Solve for a: $ab = d$

3. Solve for a: $ab + c = d$

4. Solve for b: $a + b = d$

5. Solve for b: $bc = d$

6. Solve for b: $a + bc = d$

7. Solve for c: $a + bc = d$

8. Solve for a: $ab - c = d$

9. Solve for b: $ab - c = d$

10. Solve for b: $d = ab - c$

Chapter 1

1. If $x = 3$ and $y = 4$ what does $x + 2y = $?

2. If $a = -10$ and $b = 2$ what does $a + 3b = $?

3. If $x = -1$ and $y = 2$ what does $3x + 3y = $?

4. If $m = 3$ and $n = -2$ what does $3m + 4n = $?

5. If $a = -5$ and $b = -3$ what does $2a - 3b = $?

6. If $3x + 2y = 6$ and $x = 0$, what does y equal?

7. If $x + 4y = -2$ and $y = 0$, what does x equal?

8. If $5x + y = 3$ and $x = 0$, what does y equal?

9. If $5x - y = 3$ and $x = 0$, what does y equal?