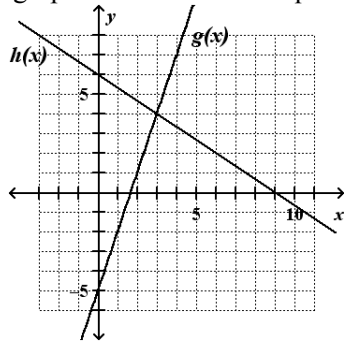# Assignment 3

Chapter 4

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

a) Find $g(1)$.

b) Find $h(6)$.

c) Find the value of $h(0) + g(4)$.

d) Find the x value where $h(x) = 0$.

e) Find the point where $h(x)$ and $g(x)$ intersect.

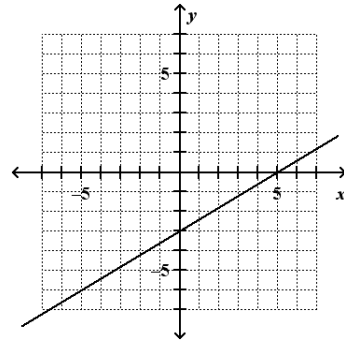2. Use the function f as defined below to answer questions a-e.

$f(x) = \{(-6,8),(-3,6),(0,4),(3,2),(6,0)\}$

a) Find $f(3)$.

b) Find the y value paired with $x = 6$.

c) Find value of $f(-6) + f(6)$.

d) Find the x value paired with a y value of 6.

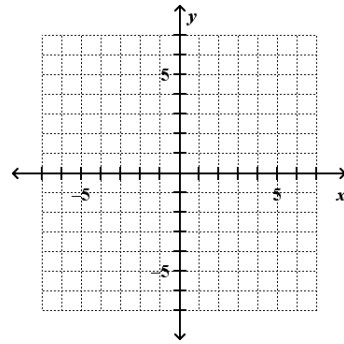e) If f was graphed, what would be the y intercept?

Chapter 5

Find the x and y intercepts.

1.

x - intercept = _____; y - intercept = _____

2. x - intercept = -6; y - intercept = -2

Find the x and y intercepts for the following lines. List as ordered pairs, (x,0) and (0,y).
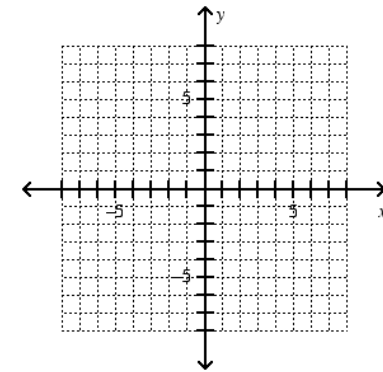
1. $5x - 4y = -20$

2. $2x - 4y = 12$

3. $x - y = -4$

Name: _____

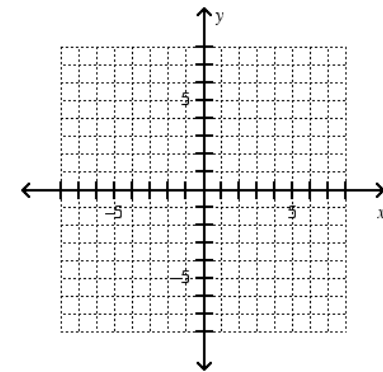*Graph each of the following using intercepts.*

1. $3x + 4y = 12$

x – int. = _____

y – int. = _____

now graph

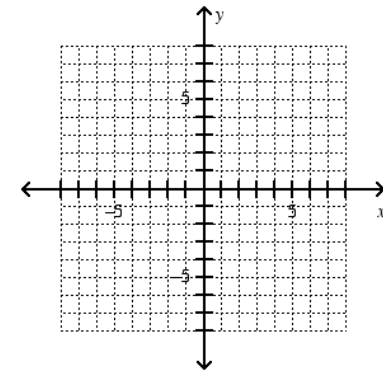2. $2x - y = 6$

x – int. = _____

y – int. = _____
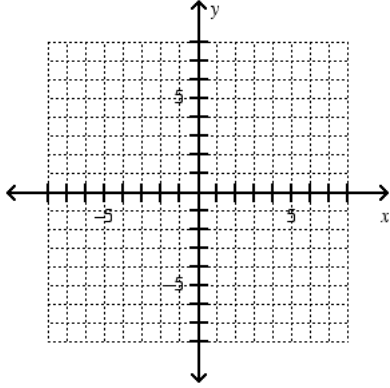
now graph

3. $4x - 2y = -8$

x – int. = _____
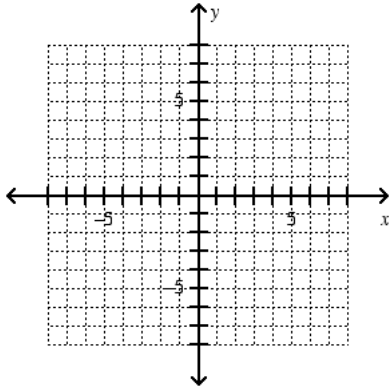
y – int. = _____

now graph

Chapter 5 and Chapter 6

Graph each system using the intercept method.
Find the solution by finding the intersection
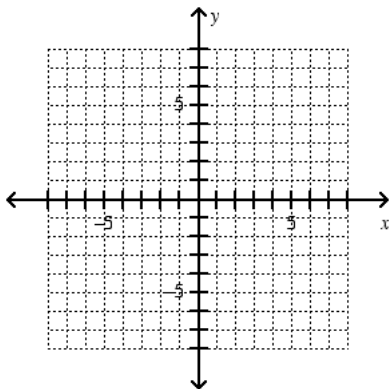***point****. List the answered as an ordered pair (x,y).*

1.

$x + y = 5$

$x - y = 3$

2.

$2x + y = 6$

$-x + 2y = 2$

3.

$2x + 3y = 6$

$4x - 3y = 12$

Chapter 2

1. Solve for x: $\dfrac{cx}{a} = b$

2. Solve for x: $\dfrac{a}{b}x = c$

3. Solve for y: $\dfrac{5}{a}y = b$

4. Solve for x: $\dfrac{-a}{5}x = 4$

5. Solve for y: $\dfrac{a}{b}x + y = 6$

6. Solve for y: $\dfrac{ax}{4} + \dfrac{y}{b} = 3$

7. Solve for y: $\dfrac{ax}{b} + cy = 5$

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

2. Solve for x: $-x + y = c$

3. Solve for y: $ax - y = c$

4. Solve for y: $-ax + y = c$

5. Solve for y: $ax - by = 6$

6. Solve for y: $ax - 3y = c$

7. Solve for x: $ax - by = 5$

8. Solve for y: $5x - y = 6$