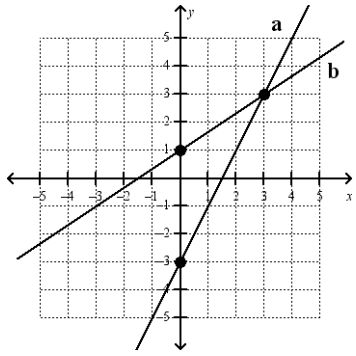


Assignment 20

Find the slope of each line.

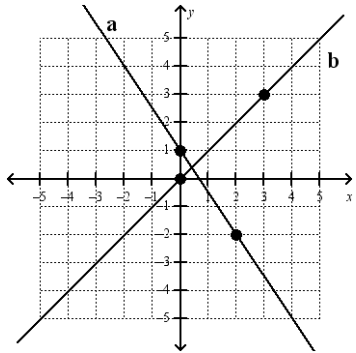
1.



a.

b.

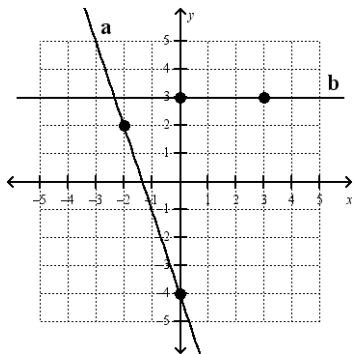
2.



a.

b.

3.



a.

b.

Find the slope of the following pairs of points

using the slope formula: $m = \frac{y_2 - y_1}{x_2 - x_1}$.

1. $(1, 3); (7, 5)$

2. $(-2, -3); (1, 6)$

3. $(-4, 2); (4, -4)$

4. $(-3, 2); (-3, -5)$

5. $(6, 3); (-3, 3)$

6. $(0, -2); (5, 0)$

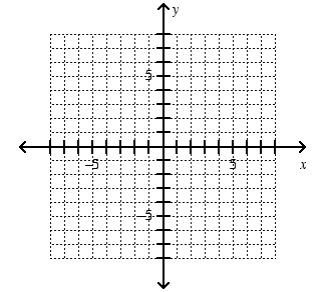
Name: _____

Get plenty of **GOOD POINTS**.

1.

Solve for y and graph.

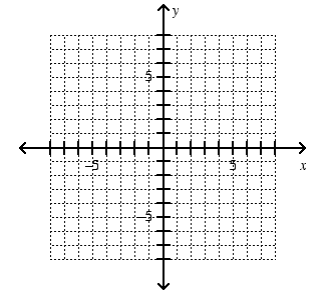
$$2x - 3y = 18$$



2.

Solve for y and graph.

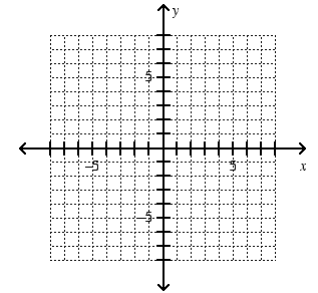
$$3x + 4y = -20$$



3.

Solve for y and graph.

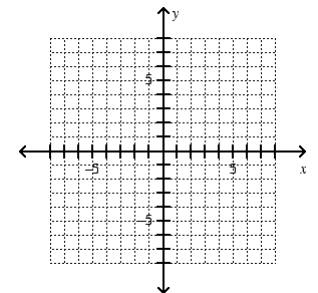
$$x - 3y = 6$$



4.

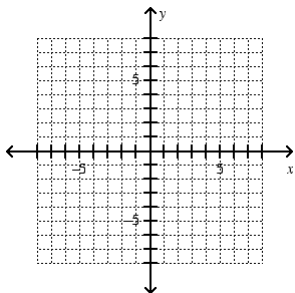
Solve for y and graph.

$$2x + y = 6$$



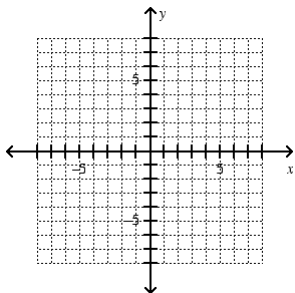
1. Graph a line starting with the point $(4,3)$ that has a slope of $\frac{5}{2}$.

Find the y -intercept.



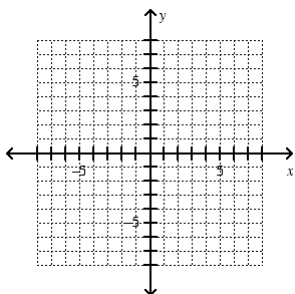
2. Graph a line starting with the point $(3,-5)$ that has a slope of $-\frac{1}{3}$.

Find the y -intercept.



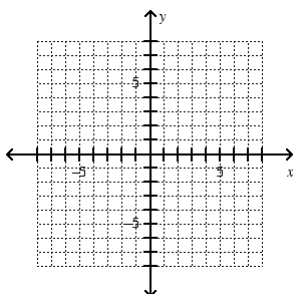
3. Graph a line starting with the point $(-3,-5)$ that has a slope of 2.

Find the y -intercept.



4. Graph a line starting with the point $(-6,1)$ that has a slope of $-\frac{4}{3}$.

Find the y -intercept.



1. Write the equation of the line that has a slope of $\frac{1}{2}$ and a y -intercept of -3 .

2. Write the equation of the line that has a slope of $-\frac{4}{3}$ and passes through the point $(3,1)$.

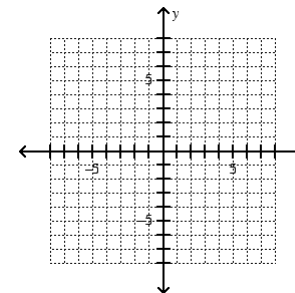
3. Write the equation of the line that has a slope of 2 and passes through the point $(-3,-5)$.

4. Write the equation of the line that has a slope of $\frac{1}{3}$ and passes through the point $(6,7)$.

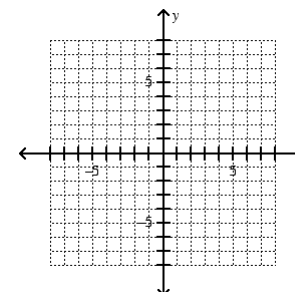
Inequality Practice

Solve for y and graph and shade.

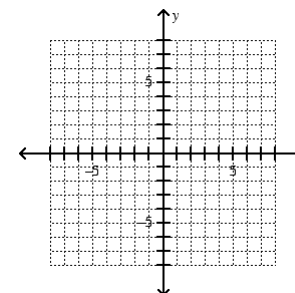
1.
 $x + y < 5$



2.
 $-3x - 4y \leq 20$



3.
 $2x + y > 6$



4.
 $x - 3y \geq 6$

