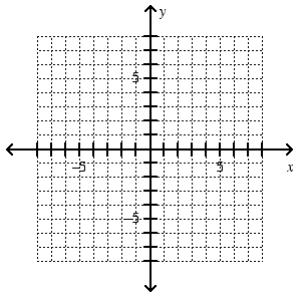
Assignment 13

Graph each system and classify as independent and consistent, independent and inconsistent, or dependent.

1.

$y = \frac{1}{2}x + 1$

$y = 4$



Classification:

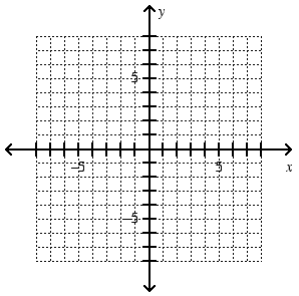
_____

Solution: _____

2.

$y = \frac{1}{2}x + 1$

$x - 2y = 6$



Classification:

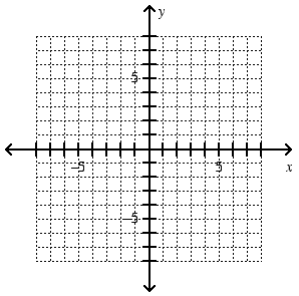
_____

Solution: _____

3.

$y = -3x + 6$

$y = \frac{1}{3}x - 4$



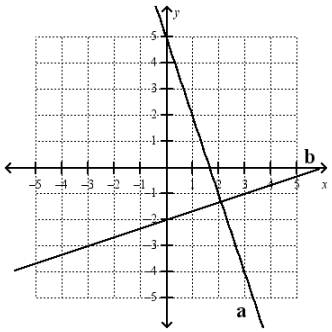
Classification:

_____

Solution: _____

*Find the **equation** of each line. You will have to find the "Good Points". Write in slope intercept form.*

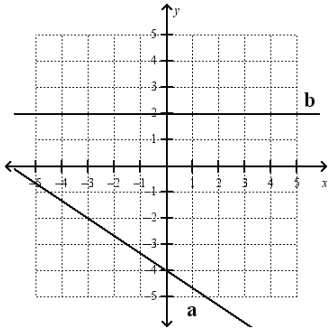
1.



a.

b.

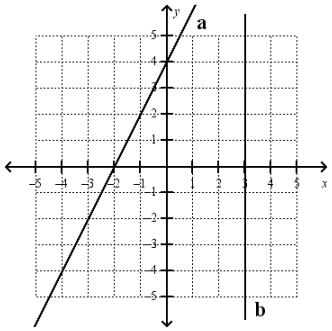
2.



a.

b.

3.



a.

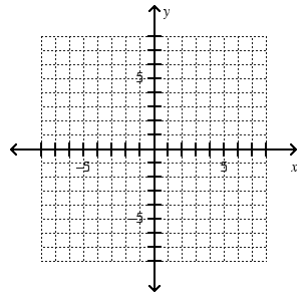
b.

Name: _____

***Solve** for **y** and graph. Plot plenty of "Good Points".*

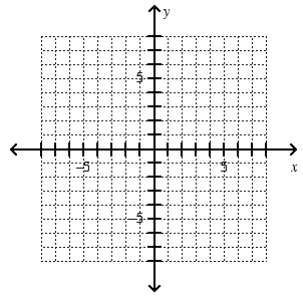
1.

$6x - 2y = -2$



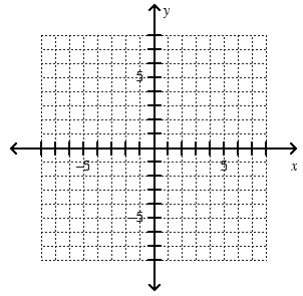
2.

$x - 4y = -12$



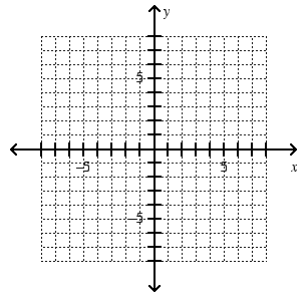
3.

$x - y = 5$



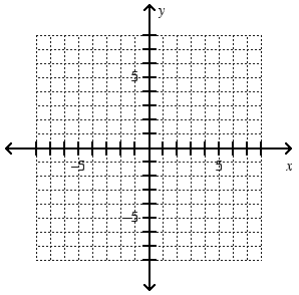
4.

$x + 3y = 15$



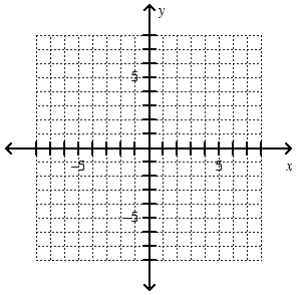
Practice Test

1.
Graph
$y = -2x$

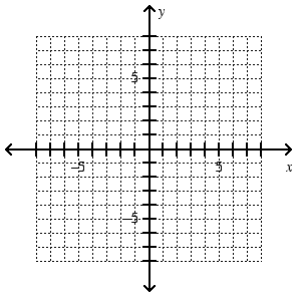


2.
Solve the system.
$y = x$
$y = -\frac{2}{3}x + 5$

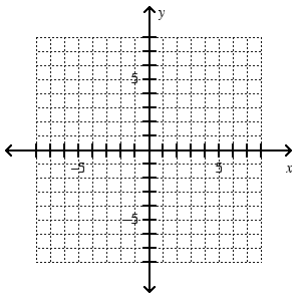
Solution_____



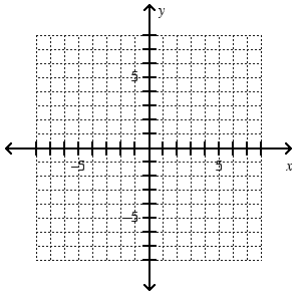
3.
Graph and shade.
$y \le -4$



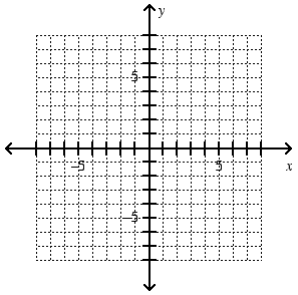
4.
Graph and shade.
$y > x + 2$



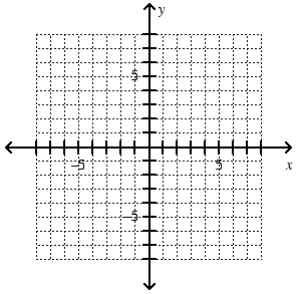
5.
Solve for y and graph
$2x - 3y = -12$



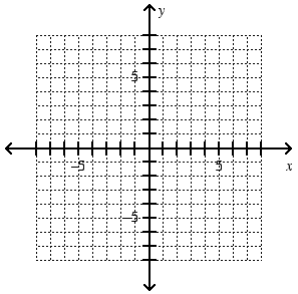
6.
Graph and shade.
$x > 5$



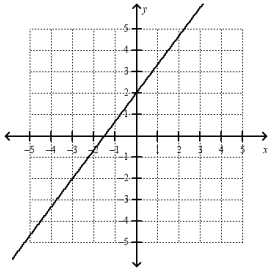
7.
Graph.
$y = 3x$



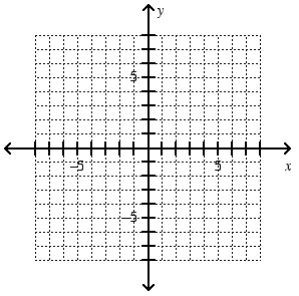
8.
Graph and shade.
$y > -\frac{1}{2}x - 3$



9.
Find the equation
of the line.

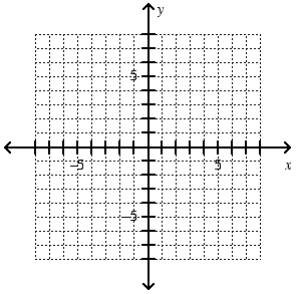


10.
Solve for y and graph.
$x - 3y = 15$



11.
Solve the system.
$y = -2x + 3$
$y = \frac{1}{2}x - 7$

Solution_____



12.
Find the equation
of the line.