

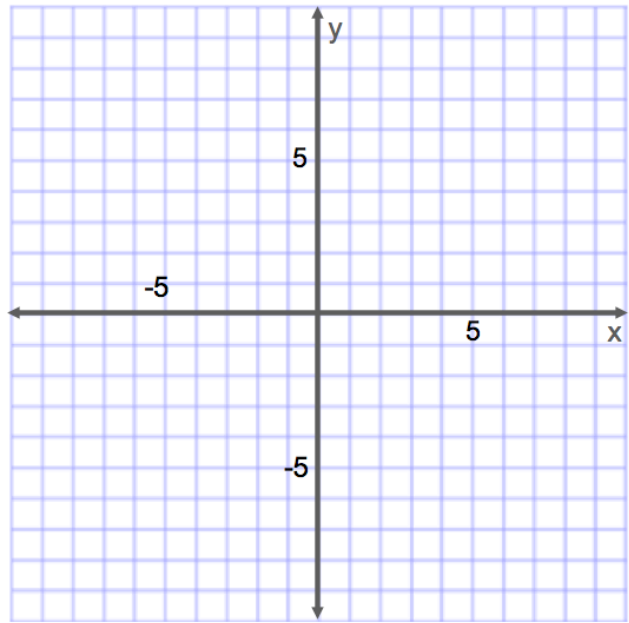
5.7 – Solving a System of Equations: Graphing – Part II

Class Notes – Solve the following systems of equations by plotting each line.

LP#1

$$y = x + 3$$

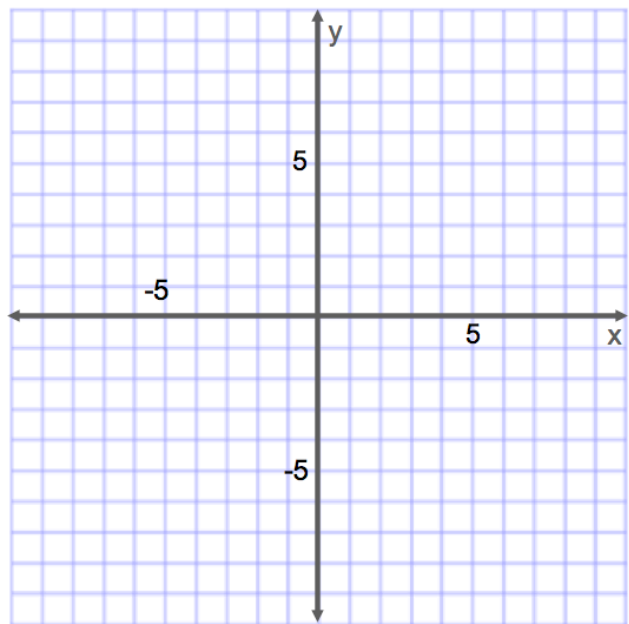
$$y = -x + 1$$



LP#2

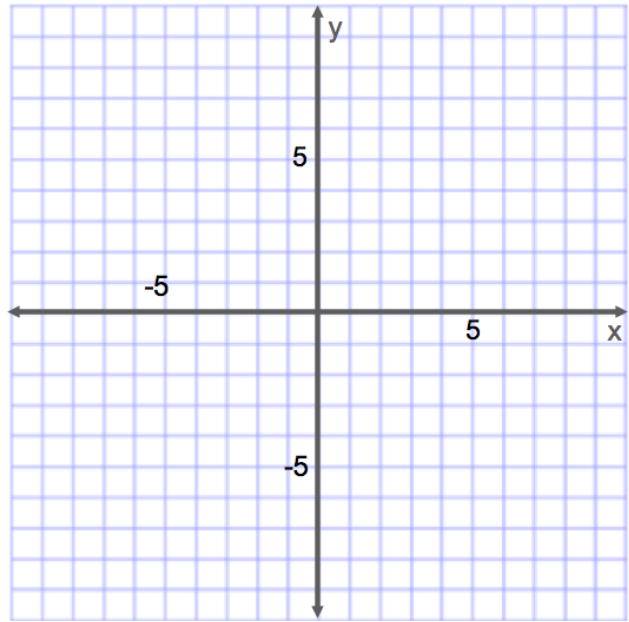
$$y = -x + 4$$

$$y = x$$



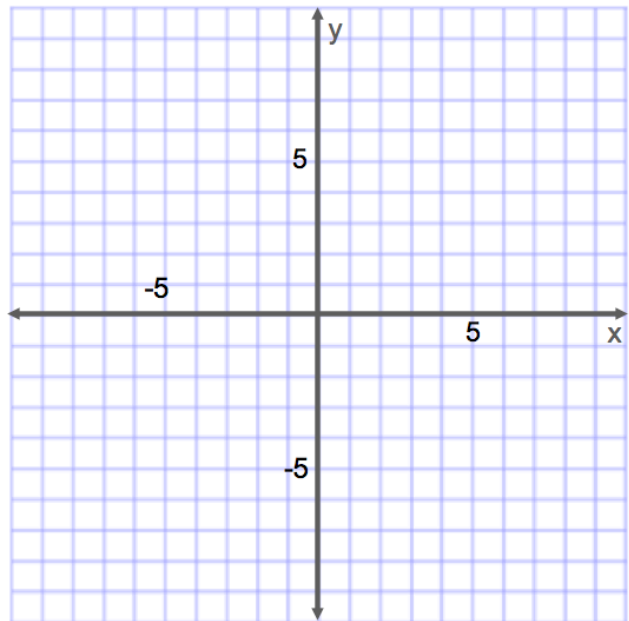
LP#3

$$y = -x + 1$$
$$y = 3x - 3$$



LP#4

$$y = -\frac{1}{2}x$$
$$y = x - 3$$

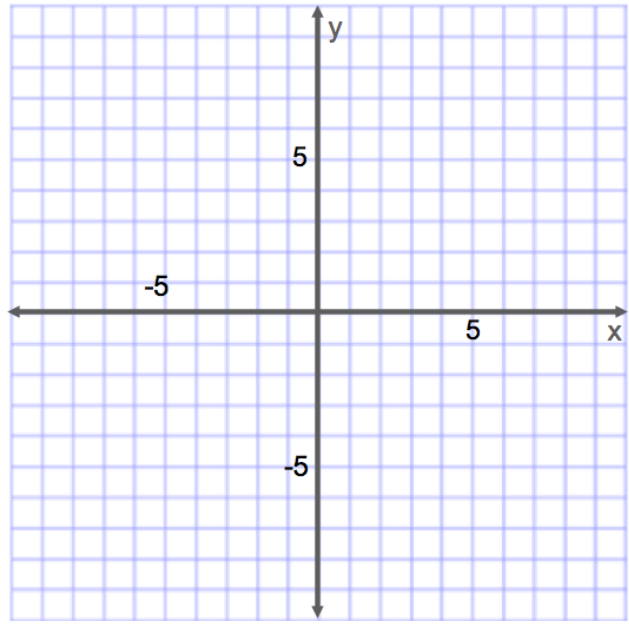


Review – Solve the following systems of equations by graphing each line.

R#1

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

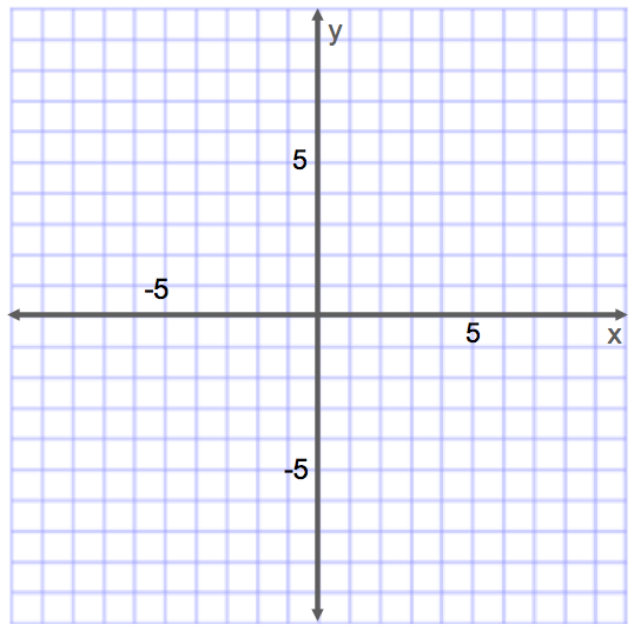
$$x = -4$$



R#2

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

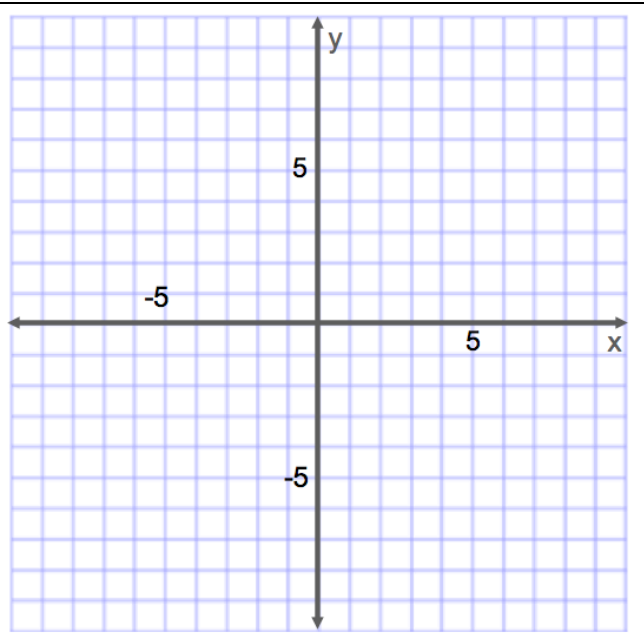
$$x = 3x - 3$$



R#3

$$y = \frac{5}{4}x - 2$$

$$x = \frac{5}{4} + 1$$



Homework – Solve each system of equations by using a graph.

1) $y = \frac{1}{3}x + 2$
 $x = -x - 2$

2) $y = -\frac{3}{2}x - 4$
 $y = \frac{1}{2}x + 4$

3) $y = 4x - 1$
 $y = -x + 4$

4) $y = x + 4$
 $y = -\frac{4}{3}x - 3$

5) $y = x + 5$
 $y = 2x$

6) $y = 2x - 5$
 $y = 2x + 10$

7) $y = 3x$
 $y = x + 4$

8) $y = -2x - 10$
 $y = \frac{1}{2}x + 5$

9) $y = 3x + 2$
 $y = 5x - 10$

10) $y = 5x - 2$
 $y = x + 3$

11) $y = \frac{1}{3}x - 1$
 $y = -\frac{2}{3}x$

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

Synthesis

TBA

