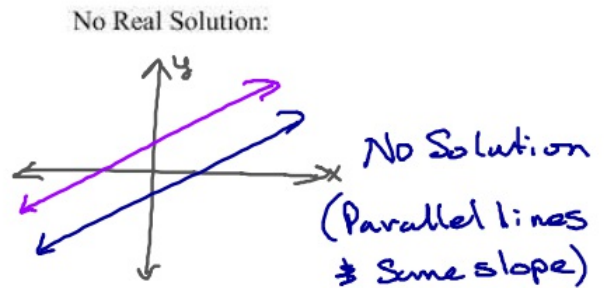
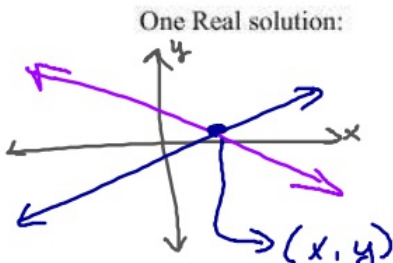


Solving Systems by Graphing

1) A system of Equations is a set of equations with the same Variable or unknowns.

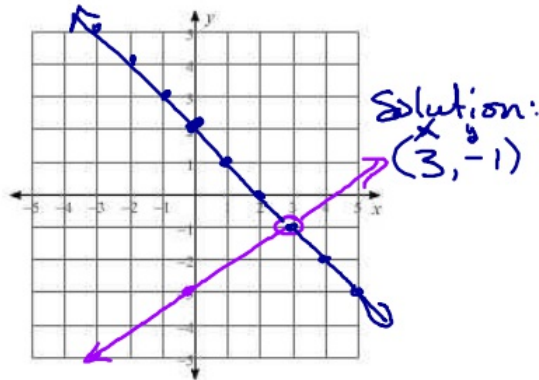
The solution to a system of equations are the intersection of lines and are to be written as a Coordinate pair.

A system of linear equations can have:

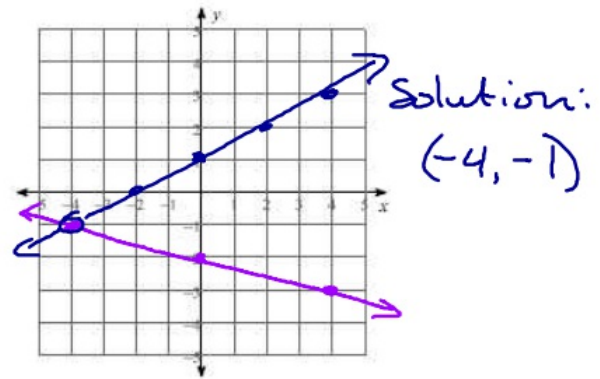


Solve each system by graphing.

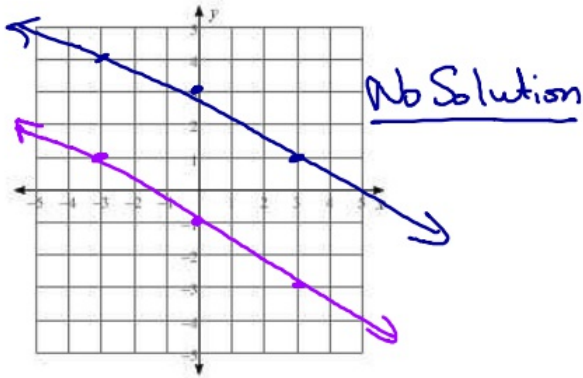
2) $y = -x + 2$
 $y = \frac{2}{3}x - 3$



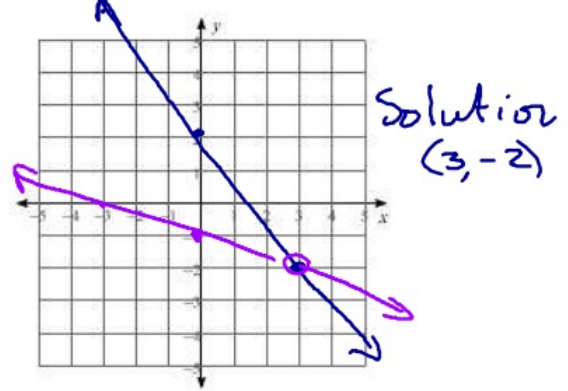
3) $y = \frac{1}{2}x + 1$
 $y = -\frac{1}{4}x - 2$



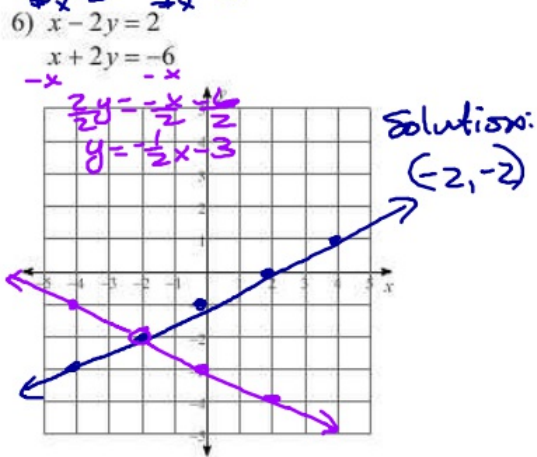
4) $y = -\frac{2}{3}x + 3$ ———
 $y = -\frac{2}{3}x - 1$ ———



5) $y = -\frac{4}{3}x + 2$ $m = -\frac{4}{3}$ or $\frac{4}{3}$
 $y = -\frac{1}{3}x - 1$ ———



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



$y = -2x + 1$
 $-2x$
 $-2x$
 $2x + y = 1$
 $x - y = 2$
 $-x$

