

Solving Systems by Graphing

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

The solution to a system of equations are the _____ of _____ and are to be written as a _____ pair.

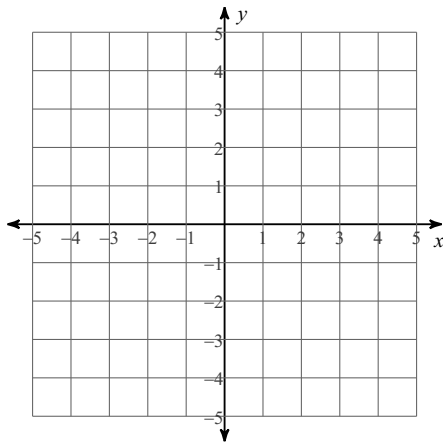
A system of linear equations can have:

One Real solution:

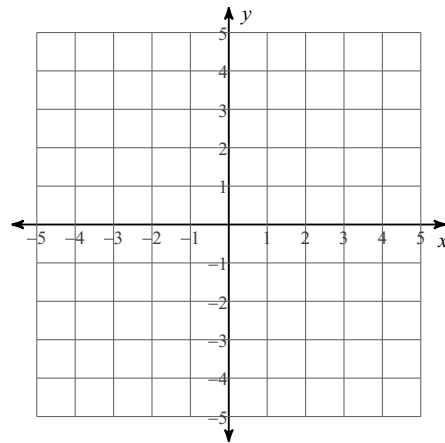
No Real Solution:

Solve each system by graphing.

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

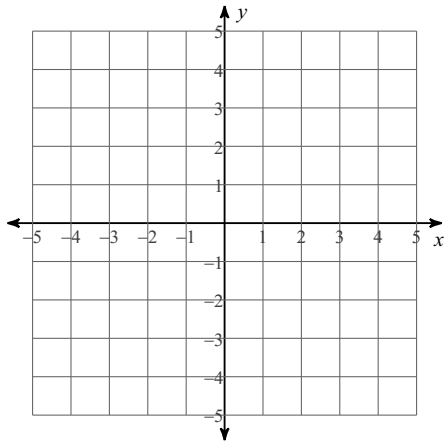


3) $y = \frac{1}{2}x + 1$
 $y = -\frac{1}{4}x - 2$



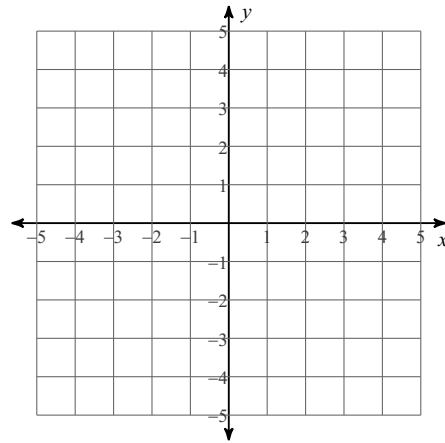
$$4) y = -\frac{2}{3}x + 3$$

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

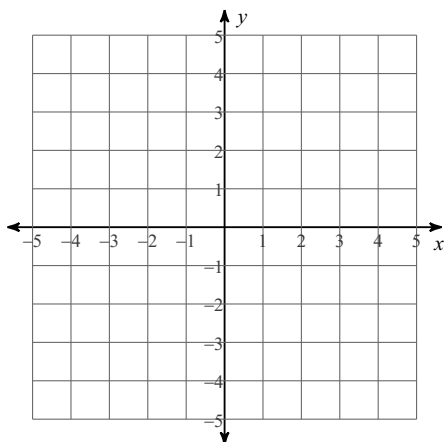


$$5) y = -\frac{4}{3}x + 2$$

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



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



$$7) 2x + y = 1$$
$$x - y = 2$$

