Section 3.1 – Solving Systems of Equations by Graphing

Alg 2 Trig G notes

System of equations - 2 or more equations in the same

Solution - intersection point



Determine whether the ordered pair is a solution to the system of equation.

$$x + y = 9$$

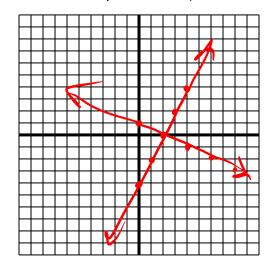
$$3x - y = 11$$



Graph each equation to estimate the solution to the system of equation.

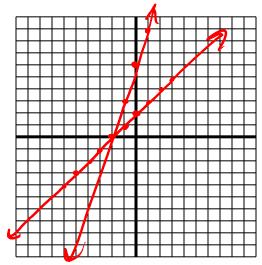
3)
$$y = 2x - 4$$

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



4)
$$y = 3x + 6$$

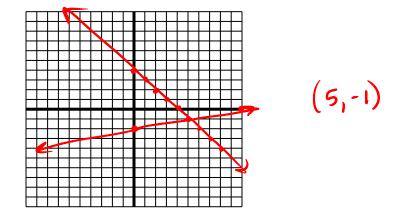
 $-2 + y = x$
 $y = x + 2$

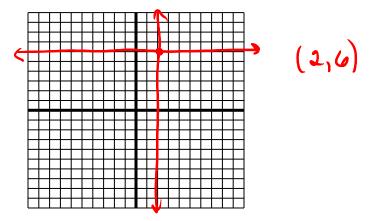


(-2,0)

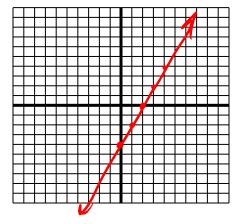
5)
$$y = -x + 4$$

 $y = \frac{1}{5}x - 2$





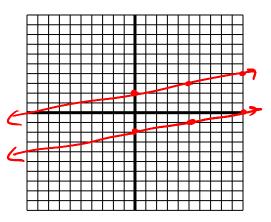
7)
$$2y = 4x - 8$$
 $y = 2x - 4$ $y = 2x - 4$ Same



infinitely many solutions

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

parallel lines



modution

