

Slope intercept form

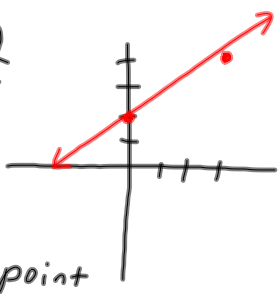
$$y = mx + b$$


$m = \frac{\text{rise}}{\text{run}}$

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

Step 1) plot the Y-intercept.

2) Plot a second point using the slope.



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


Oct 27-10:08 AM

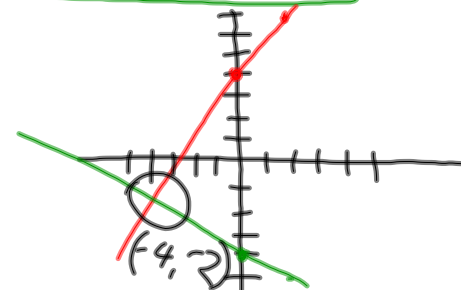
$$1) -3x + 2y = 8$$

$$2) \overset{+3x}{x} + 2y = \overset{-3x}{-8}$$

$$1) \frac{2y}{2} = \frac{3x}{2} + \frac{8}{2}$$

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

$$2) \frac{2y}{2} = \frac{-x}{2} - \frac{8}{2}$$

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


Oct 27-10:19 AM

#2

$$\begin{array}{r} x - y = 2 \\ -x \quad -x \end{array} \Rightarrow -y = -x + 2$$

$$y = -x$$

$$\boxed{y = x - 2}$$

$$y = -x + \underline{0}$$

Oct 27-10:47 AM

Types of systems

Consistent
There is a solution.

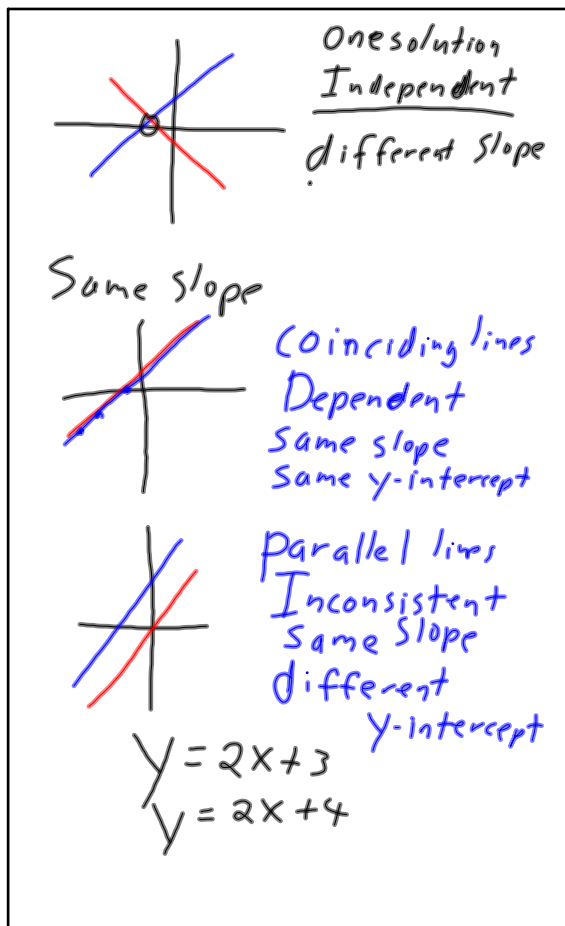
- Independent
- 1 solution
- Dependent

Infinite solutions

Inconsistent
No solution

∞

Oct 27-10:58 AM



Oct 27-11:05 AM