- > TODAY'S AGENDA:
- Continue working on Khan Academy
- Mission: Engage NY Module 4
 - > Linear Systems of Equations Capstone
- Today's Objective:
 - > Students will be able to graph a line, given the equation of the line in Slope-Intercept Form
- Today's Standards:
 - > 8.EE.C.8, 8.EE.C.8b, HSA.REI.C.6, HSA.SSE.B.3

Solutions to System of Equations

- What is a System of Equations?
 - A System of Equations is a group of two or more equations.
- What is the Solution to a System of Equations?
 - The solution is the point(s) (as coordinates in (x,y) form) that make the equations true.

How many solutions does the system of equations have?

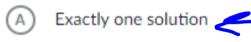
- If Same Slope:
 - > and y-intercept is same, then infinite solutions.
 - > and different y-intercepts, then no solutions.
- If Different Slopes, then one solution.

$$6x - 3y = 5$$

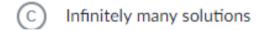
$$y - 2x = 8$$

How many solutions does the system have?

Choose 1 answer:





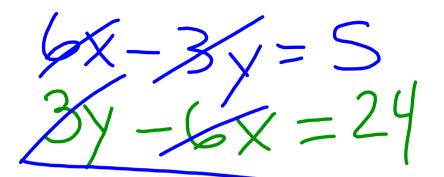


If your answer was Exactly one solution, what is this solution

If your answer was Infinitely many solutions or No solutions, leave the boxes blank.

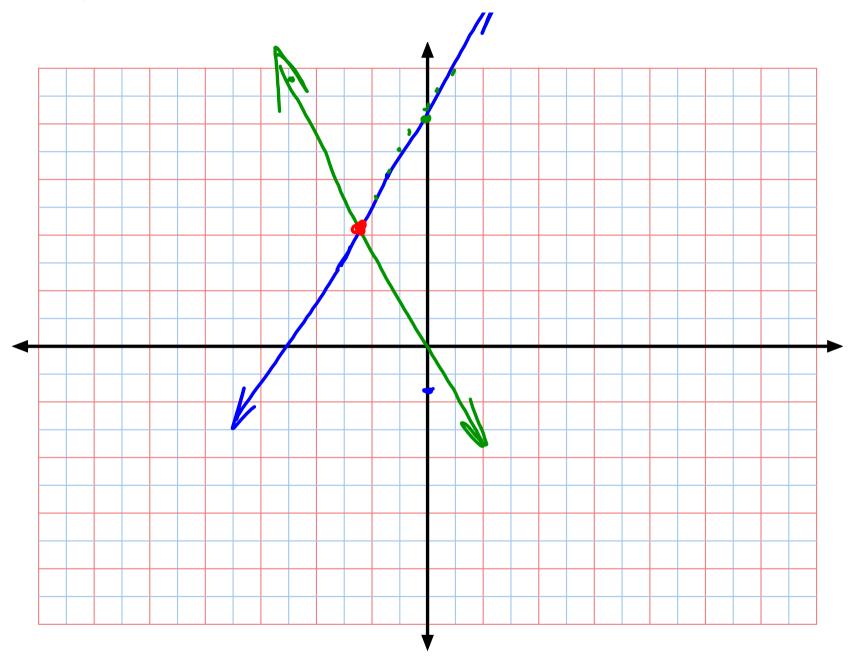
$$x =$$

$$y =$$



$$6 - 29$$





$$6x - 3y = 5$$

$$y - 2x = 8$$

How many solutions does the system have?

Choose 1 answer:

A

Exactly one solution

No solutions

(C) I

Infinitely many solutions

If your answer was Exactly one solution, what is this solution?

If your answer was Infinitely many solutions or No solutions, leave the boxes blank.

$$x =$$

$$y =$$

 $-\frac{1}{6}x$ $-\frac{1}{3}y = -6x + 5$ $-\frac{1}{3}x = -\frac{1}{3}x + \frac{1}{3}x = -\frac{1}{3}x = -\frac{1}{3}x$

 $\gamma = 2x - \frac{5}{3}$

(5/3) In Calc

