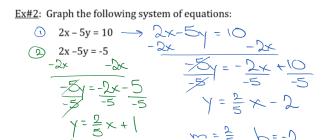
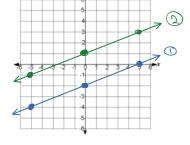
## 5.5 notes Thursday representer 17, 2020 19:15 AM D Slope intercept form : |= mx + b | Solope intercept form : |= mx + b | Solope intercept form : |= mx + b | Solope intercept form : |= mx + b | Solope intercept form : |= mx + b | Solope intercept form : |= mx + b | Solope intercept form : |= mx + b | Solope intercept form : |= mx + b | Solope intercept form : |= mx + b | Solope intercept form : |= mx + b | Solope intercept form : |= mx + b | Solope intercept form : |= mx + b | Solope intercept form : |= mx + b | Solope intercept form : |= mx + b | Solope intercept form : |= mx + b | Solope intercept form : |= mx + b | Solope intercept form : |= mx + b | Solope intercept form : |= mx + b | Solope intercept form : |= mx + b | Solope intercept form : |= mx + b | Solope intercept form : |= mx + b | Solope intercept form : |= mx + b | Solope intercept form : |= mx + b | Solope intercept form : |= mx + b | Solope intercept form : |= mx + b | Solope intercept form : |= mx + b | Solope intercept form : |= mx + b | Solope intercept form : |= mx + b | Solope intercept form : |= mx + b | Solope intercept form : |= mx + b | Solope intercept form : |= mx + b | Solope intercept form : |= mx + b | Solope intercept form : |= mx + b | Solope intercept form : |= mx + b | Solope intercept form : |= mx + b | Solope intercept form : |= mx + b | Solope intercept form : |= mx + b | Solope intercept form : |= mx + b | Solope intercept form : |= mx + b | Solope intercept form : |= mx + b | Solope intercept form : |= mx + b | Solope intercept form : |= mx + b | Solope intercept form : |= mx + b | Solope intercept form : |= mx + b | Solope intercept form : |= mx + b | Solope intercept form : |= mx + b | Solope intercept form : |= mx + b | Solope intercept form : |= mx + b | Solope intercept form : |= mx + b | Solope intercept form : |= mx + b | Solope intercept form : |= mx + b | Solope intercept form : |= mx + b | Solope intercept form : |= mx + b | Solope intercept form : |= mx +



Where does the first equation intersect with the second equation? What is the solution? How many solutions are there to this system?

The lines intersect at every point. Therefore, there isn't just one solution but inflictly many solutions.





What do you notice about the graphs? (slopes?intercepts?)

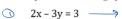
The lines are parallal. Same slope & Affect y intercepts

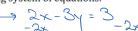
they was voss/intersect & mo = mo

How many solutions to this system? How are the equations alike? How are they different?

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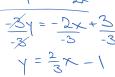
Ex#3: Graph the following system of equations:



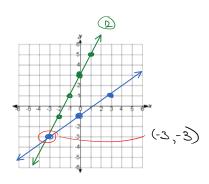


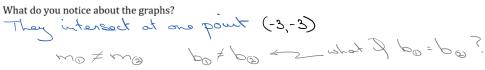
$$\begin{array}{ccc} \textcircled{2} & -2x + y = 3 \\ & +2x & +2x \\ \hline & & & & & & & \\ & & & & & & & \\ & & & & & & & \\ & & & & & & & \\ & & & & & & & \\ & & & & & & & \\ & & & & & & & \\ & & & & & & & \\ & & & & & & & \\ & & & & & & & \\ & & & & & & & \\ & & & & & & & \\ & & & & & & & \\ & & & & & & & \\ & & & & & & & \\ & & & & & & & \\ & & & & & & & \\ & & & & & & & \\ & & & & & \\ & & & & & \\ & & & & & \\ & & & & & \\ & & & & & \\ & & & & & \\ & & & & & \\ & & & & & \\ & & & & & \\ & & & & & \\ & & & & \\ & & & & \\ & & & & \\ & & & & \\ & & & & \\ & & & & \\ & & & & \\ & & & & \\ & & & & \\ & & & & \\ & & & \\ & & & & \\ & & & \\ & & & \\ & & & & \\ & & \\ & & \\ & & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\$$

$$m = \frac{2}{\lambda}$$
  $b = 3$ 

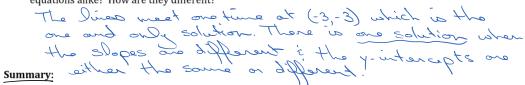








At how many points does the graph of the first equation met the graph of the second? How are the equations alike? How are they different?



Possible Solutions for a Linear System

## **Intersecting Lines Parallel Lines Coincident Lines**

One solution



No solution



Infinite solutions



HW: p448 #4-7