5.6 – Solving a System of Equations: Graphing – Part I



In the activity above we found one point that was a solution to both equations. When given two equations and asked to find a common solution, graphing both equations separately and comparing points is an effective way to find the solution. However, there is a more efficient way. By graphing both equations together in the same Cartesian plane the solution is crystal clear. Complete the following notes to see how clear it is.





 $y_1 = \frac{2}{3}x + 1$ $y_2 = -x - 9$



Class Notes – Use the coordinates of the marked points to fill in the boxes below.



Review	– Com	plete	the	follo	wing.
	00111	p			



Homework -

- a) State the solution to the system of equations to the diagram on the right.
- **b**) State a point that is a solution to only one of the equations.
- c) State a point that is not a solution to either equation.



















Lesson 5.6



Synthesis

TBA