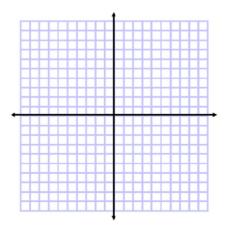
Algebra 1 6.1
Determine the number of solutions to a system of linear equations
Solve systems of linear equations by graphing

linear equation system of equations consistent inconsistent independent dependent

graph matching: equation, table, graph



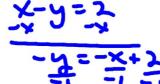
ConceptSummary Possible Solutions			
Number of Solutions	exactly one	infinite	no solution
Terminology	consistent and independent	consistent and dependent	inconsistent
Graph	X	G X	O x

GuidedPractice

Graph each system and determine the number of solutions that it has. If it has one solution, name it.

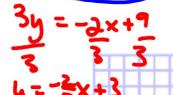
2A.
$$x - y = 2$$

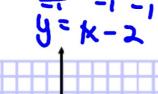
 $3y + 2x = 9$



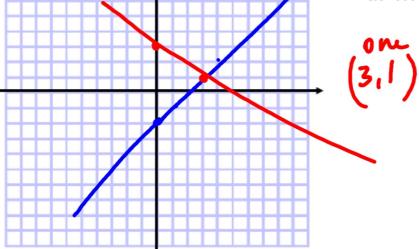
2B.
$$y = -2x - 3$$

 $6x + 3y = -9$





- a. graph
- b. number of solutions
- c. describe
- d. what is the solution?



Matching activity

- 1. Match each graph with its equation Check answers
- 2. Match table of values with equation/graph