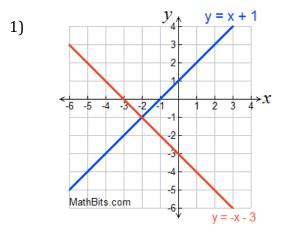
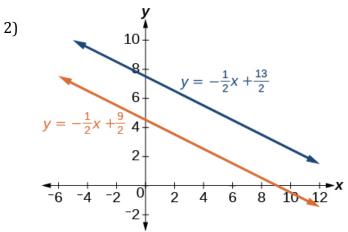
Graphing Systems with Special Solutions

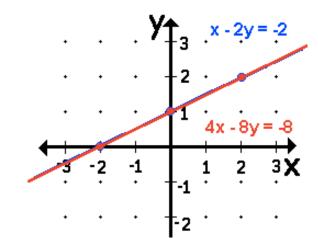
Convert the equations to slope-intercept form. Solve the system by graphing. What observations can you make about the equations and the graphs?

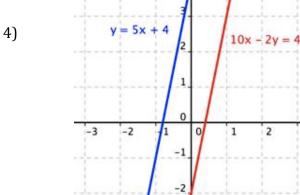
Equations	u make about the equations Graph	Observations	Key Ideas
Equations 3x - 2y = 6			
3x - 2y = 0 $x + y = 2$	-6 -5 -4 -3 -2 -1 0 1 2 3 4 5 6 -4 -3 -2 -1 0 1 2 3 4 5 6 -3 -4 -3 -2 -1 03		
2x - y = 1			
4x - 2y = 2			
2x - 3y = -3	A		
-2x + 3y = -9	-6 -5 -4 -3 -2 -1 0 1 2 3 4 5 6 -6 -5 -4 -3 -2 -1 0 1 2 3 4 5 6 -6 -5 -4 -3 -2 -1 0 1 2 3 4 5 6 -2 -5 -4 -3 -2 -1 0 1 2 3 4 5 6 -4 -5 -5 -5 -5 -5 -5 -5 -5 -5 -5 -5 -5 -5		

How many solutions does the system have? JUSTIFY YOUR ANSWER by discussing the graph AND the equations.









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