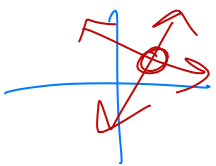
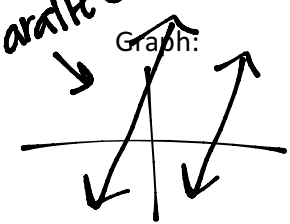
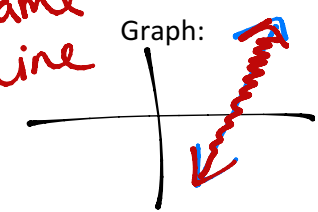
Make sure name is on homework and turn in to the basket

Solutions to Systems of Linear Equations

One Solution	No Solution	Infinitely Many Solutions
Example: $-2x - 9y = -25$ $-4x - 9y = -23$	Example: $-3x + 3y = 4$ $-x+y=3$	Example: $2x+8y = 6$ $-5x - 20y = -15$
Graph: 	Graph: parallel 	Graph: same line 
Substitute: Solve for x → x=2 plug in and solve for y → y=4	Substitute: 0=12 12=9 letters go away	Substitute: 12=12 9=9 0=0
Eliminate: Cancel out one letter Solve → plug back in for other (42,34)	Eliminate: 0=12 12=9 letters go away	Eliminate: 0=0