Mr. Powder
Solutions Ditto

Pre-Algebra
Name: _____

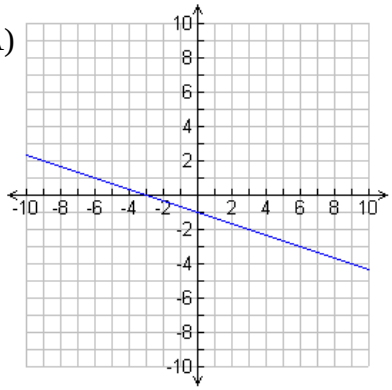
Match the linear system with its graph. Then use the graph to tell whether the linear system has *one solution*, *no solution*, or *infinitely many solutions*.

1. $x-3y=-9$
   $x-y=-1$

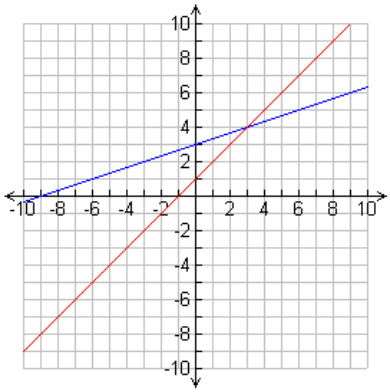
2. $x-y=-4$
   $-3x+3y=2$

3. $x+3y=-1$
   $-2x-6y=2$

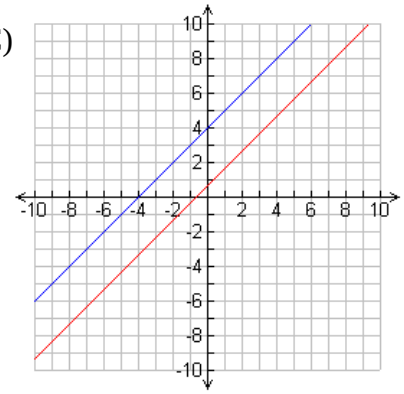
A)



B)



C)



Determine whether the linear system has *one solution*, *no solution*, or *infinitely many solutions*.

4. $x+y=-2$
   $y=-x+5$

5. $3x-4y=12$
   $y=\frac{3}{4}x-3$

6. $3x-y=-9$
   $3x+5y=-15$

7. $-2x+2y=-16$
   $3x-6y=30$

8. $-9x+6y=18$
   $6x-4y=-12$

9. $-3x+4y=12$
   $-3x+4y=24$