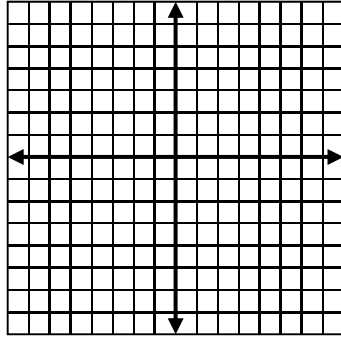## Quadratics Systems Wksht #2

Directions: Make a sketch of each system and state how many solutions you believe there to be. Then, ___using algebra___, solve the system and state exact solutions.
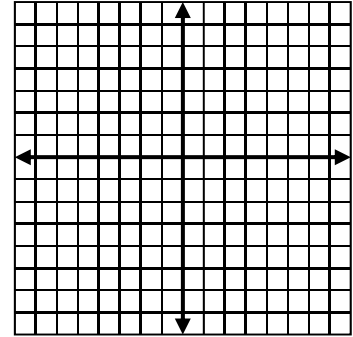
1. $x^2+y^2=25$
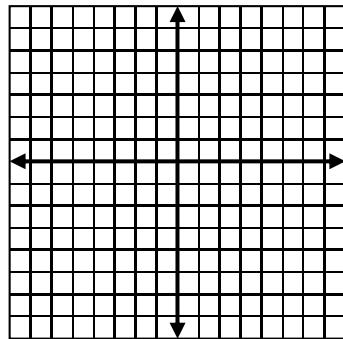 $9x^2+y^2=36$

# of solutions?_____

Exact solutions:

2. $4x^2-9y^2=36$
   $x^2+y^2=16$

# of solutions?_____

Exact solutions:

3. $8y^2-2x^2=16$
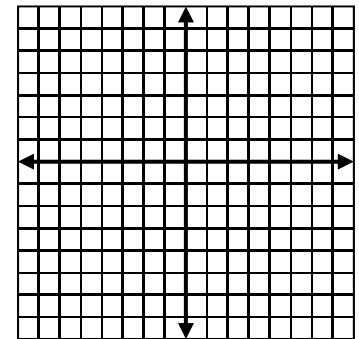 $8y^2=3x$

# of solutions?_____

Exact solutions:

4. $x^2+y^2=16$
   $y=x^2-4$

# of solutions?_____

Exact solutions: