

## Solving a System of Conic Equations

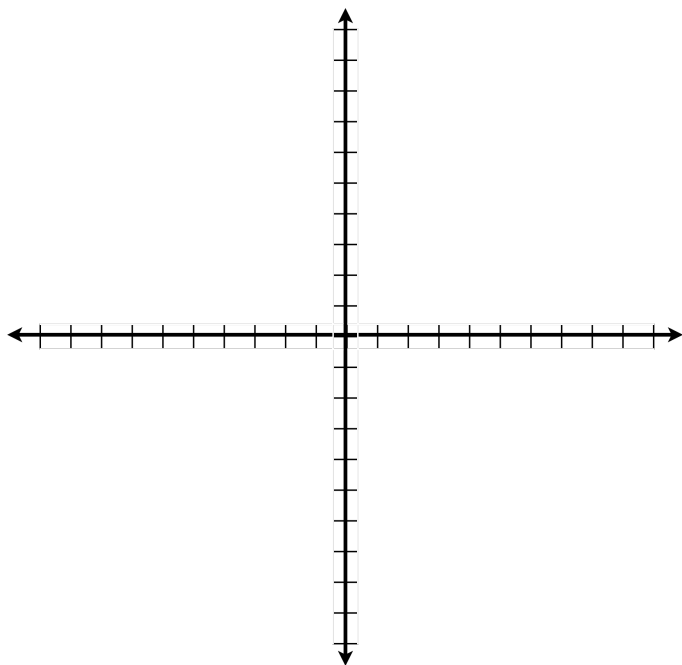
Name \_\_\_\_\_

Date \_\_\_\_\_ Period \_\_\_\_\_

Solve the nonlinear system of equations:

$$x^2 + y^2 = 25$$

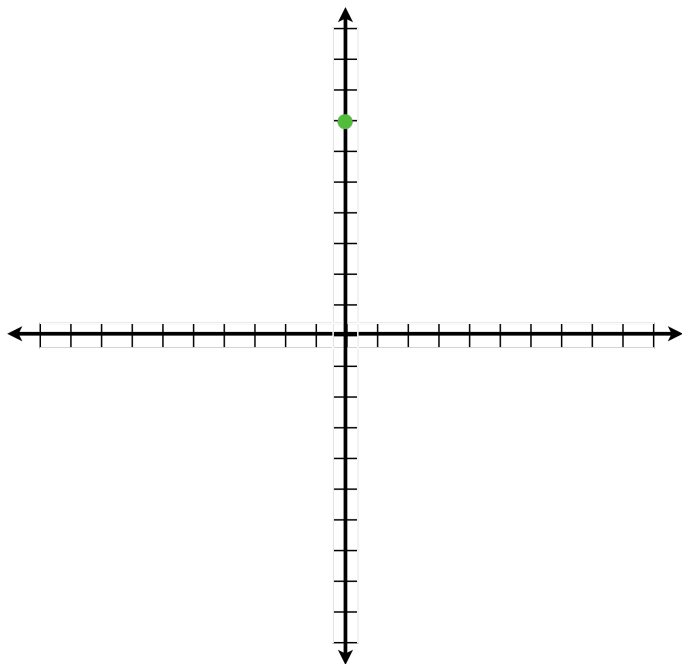
$$x^2 - y = 5$$



Solve the nonlinear system of equations:

$$x^2 + y^2 = 49$$

$$x^2 + 9y^2 = 81$$



Solve the nonlinear system of equations:

$$16x^2 - 9y^2 = 144$$

$$16x^2 + y^2 = 16$$

