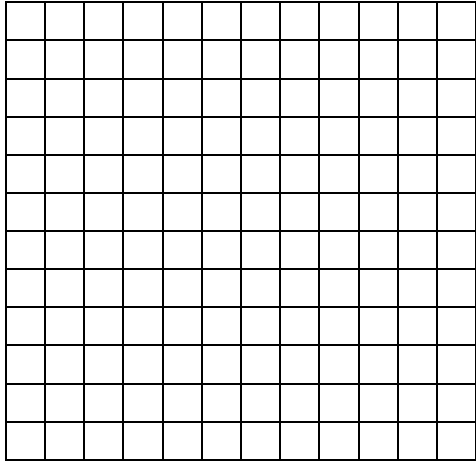


Name _____ Date _____

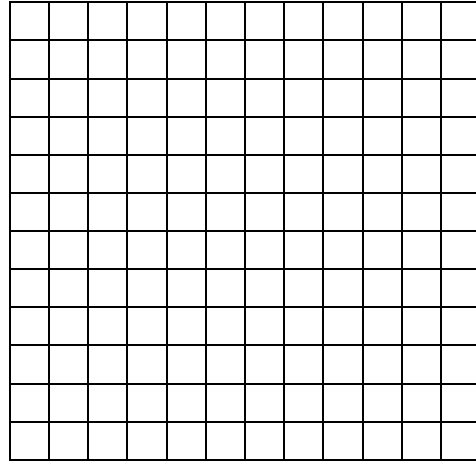
Conic sections w/s 3

Graph the equations.

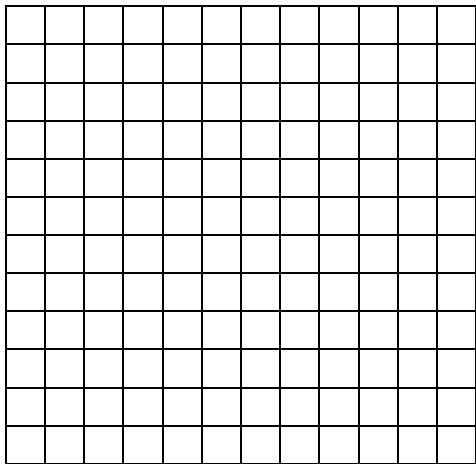
1) $(x-2)^2 + (y-1)^2 = 5$



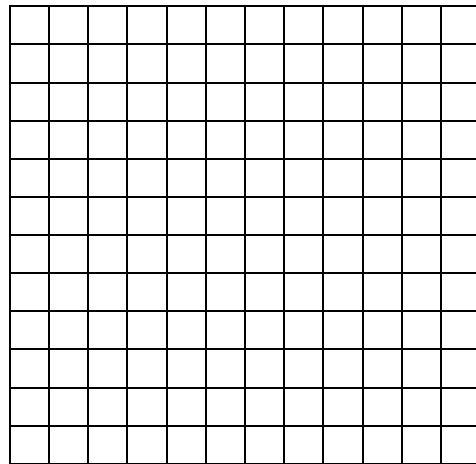
2) $y^2 = -\frac{1}{2}x$



3) $\frac{(x+3)^2}{9} + \frac{(y-2)^2}{4} = 1$



4) $\frac{(y+2)^2}{16} - \frac{x^2}{4} = 1$



Write the equation in standard form.

5) $x^2 + y^2 - 12x + 18y - 4 = 0$

6) $x^2 + 10x - 4y + 1 = 0$

7) $x^2 + 4y^2 + 6x - 8y + 9 = 0$

8) $4x^2 - 3y^2 + 8x + 16 = 0$