Determine if each algebraic equation represents a circle, ellipse, hyperbola or parabola.

If the equation represents a circle

* Determine the coordinates of the center
* Determine the length of the radius

If the equation represents an ellipse

* Determine the coordinates of the center, foci, vertices and co-vertices
* Determine equations for the major and minor axes

If the equation represents a hyperbola

* Determine the coordinates of the center, foci, vertices, and co-vertices
* Determine equations for the asymptotes, transverse axis and conjugate axis

If the equation represents a parabola

* Determine the coordinates of the vertex and focus
* Determine equations for the line of symmetry and directrix

1. 2. 3.

 

4.



5.



6.

