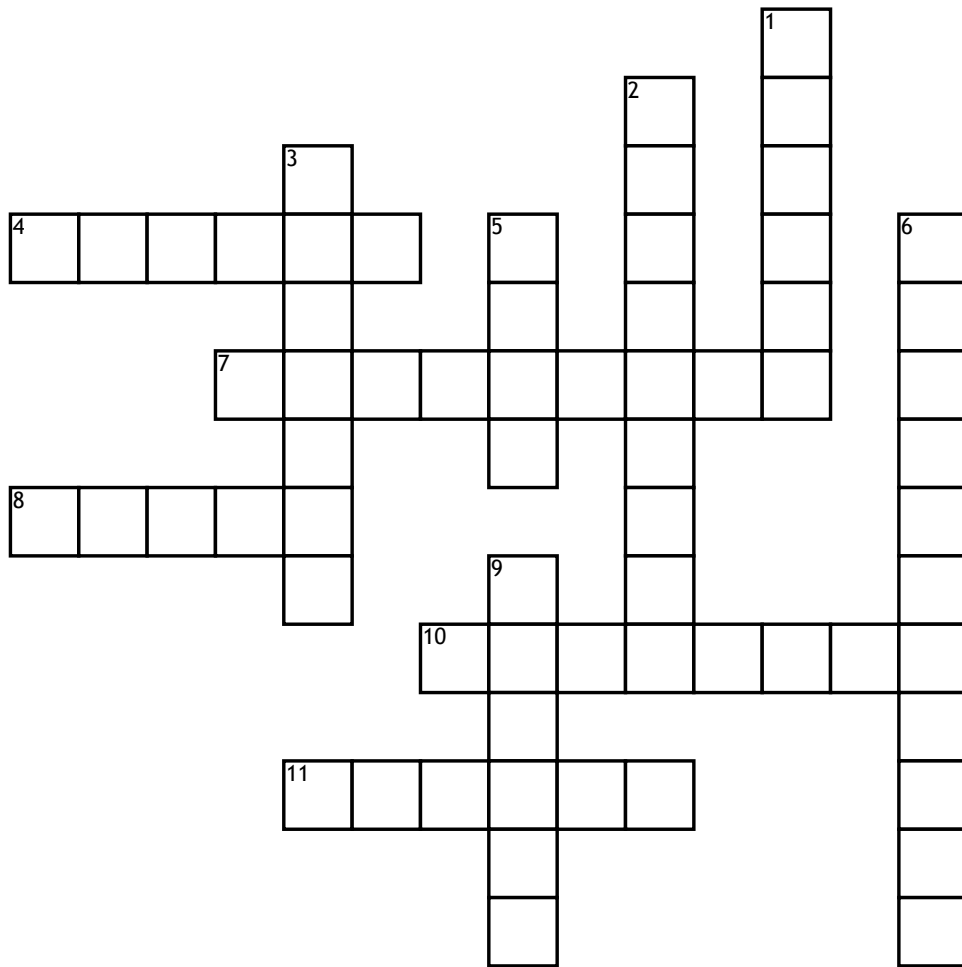Name: _____ Date: _____

Pre-Calculus Chapter 5 Vocabulary Review - Conics

Across

4. A set of points that are equidistant from the center (h, k)

7. A line located outside of a parabola that is the same distance from each point on the parabola as the focus

8. A fixed point located inside of a parabola, also 2 points on the major axis of an ellipse, also 2 points located inside the 2 branches of a hyperbola

10. A set of points that are all the same distance from the focus and directrix

11. a set of points formed when a plane intersects a cone - includes circle, parabola, ellipse, and hyperbola

Down

1. A point where a graph changes direction, also endpoints of the major axis

2. A graph having two branches defined as a set of points where the difference of the distances from a point to the foci is constant

3. a regular oval shape defined as a set of points where the sum of its distances from two other points (the foci) is constant

5. The plural of focus

6. Refers to whether a graph is horizontal or vertical

9. The distance from the center of a circle to a point on the circle

Word Bank

focus   radius   vertex   directrix

hyperbola   foci   conics   parabola

ellipse   orientation   circle