

Name: _____

Date: _____

Directions: Complete the GNAW chart using our new vocabulary word. In each box give the various representations that can be used for the term. In the “graphical” box draw what the graph of a parabola might look like. In the “numerical” box give a numerical representation of a parabola, or a list of points that make a parabola. In the “algebraic” box, write the equation for a parabola, and finally in the “word” box write a description of a parabola using words.

Vocabulary Term: Parabola

<p style="text-align: center;"><u>Graphical</u></p>	<p style="text-align: center;"><u>Numerical</u></p>
<p style="text-align: center;"><u>Algebraic</u></p>	<p style="text-align: center;"><u>Words</u></p>

Purpose:

This vocabulary worksheet requires the students to understand the meaning of the term by seeing the various ways this single term can be represented. The learning objective for this worksheet would be “given the word parabola, students will be able to give a graphical, algebraic, numerical, and verbal description of a parabola.” The worksheet itself can be used for any grade level or area in math; however this “parabola” would first be taught in an 8th grade pre-algebra class. The students will not only have to know the definition of a parabola, but recognize, and work with it algebraically, graphically, and numerically. Completing this worksheet helps the students understand the multi-dimensional concept of “parabolas.” I could either give the students class time to complete this, or for homework after I have completed the lesson.