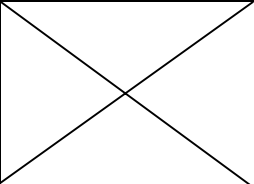


Rubric for Graphing Parabolas Using Microsoft Excel

Student Name _____ Period _____ Date _____

Description	3	2	1	Points Earned
Creating text labels for the equations, including superscripts.		Labels are correct with superscripts for exponents.	Labels are correct, but no superscripts for exponents.	
Generating the table of points for the graph.	Table of points is created, the “x” values are named, the “y” values are generated using formulas.	Table of points is created, the “x” values are named, the “y” values are not generated using formulas.	Table of points is created, the “x” values are not named, the “y” values are not generated using formulas.	
Creating the chart for the graph of the parabola.	The graph is created as an XY Scatter Plot with lines. The titles, axes, gridlines, legend, and data labels are correct.	All of the elements listed to the left except for one are correct.	Only one of the elements listed in column 3 is correct.	
Finding the roots or zeros of the parabola.	Location Theorem was used to choose the points to use. “Goal Seek” was used to find the roots. Numbers display two decimal places in the table of points. Graph is still correct. Roots are correct.	All of the elements listed to the left except for one are correct	Only one of the elements listed in column 3 is correct.	
Finding the vertex of the parabola.	Formula used to calculate the estimated vertex. “Solver” was used to find vertex. Numbers display two decimal places.	All of the elements listed to the left except for one are correct	Only one of the elements listed in column 3 is correct.	