

Essential Learning Target:**Graphing Quadratic Equations:** I can graph a quadratic function and label key features.**Common Core Standard:**CCSS.MATH.CONTENT.HSF.IF.C.7.A

Graph linear and quadratic functions and show intercepts, maxima, and minima.

Level: Algebra 1

| Score 4.0 | In addition to Score 3.0, in-depth inferences and applications that go beyond what was taught. The student can create a situation that models the parabolic path and explain the key features and restrictions to the domain and range. | Sample Tasks |
|------------------|---|---------------------|
| | 3.5 In addition to score 3.0 performance, in-depth inferences and applications with partial success. | |
| Score 3.0 | The student: ● can graph a quadratic function and label key features. The student exhibits no major errors or omissions. | ● |
| | 2.5 No major errors or omissions regarding 2.0 content and partial knowledge of the 3.0 content | |
| Score 2.0 | There are no major errors or omissions regarding the simpler details and processes as the student: ● recognizes or recalls specific terminology such as: ○ Forms of Quadratics: Standard, Factored, Vertex ○ X-Intercepts & Y-Intercepts & Vertex ○ Maxima/Minima ● performs basic processes, such as: ○ I can find the y-intercept and x-intercept(s). ○ I can make a table to graph the equation. ○ I can find the vertex of a quadratic equation in any form. ○ I can determine if the vertex is a maxima or minima based on the equation. However, the student exhibits major errors or omissions regarding the more complex ideas and processes. | ● |
| | 1.5 Partial knowledge of the 2.0 content but major errors or omissions regarding the 3.0 content | |
| Score 1.0 | With help, a partial understanding of some of the simpler details and processes and some of the more complex ideas and processes. | |
| | 0.5 With help, a partial understanding of the 2.0 content but not the 3.0 content | |
| Score 0.0 | Even with help, no understanding or skill demonstrated. | |