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| **LG #** | **L201** | **Standards:** | G-GPE.1.1, G-GPE.1.2, G-GPE.2.4, G-GPE.2.5 |
| **4.0** | **In addition to Score 3.0, in-depth inferences and applications that go beyond instruction to the standard.**  **The student will be able to:**   * Given the graph of a parabola or a circle, write the equation.   **No major errors or omissions regarding the score 4.0 content.** | | |
| **3.5** | In addition to 3.0, in-depth inferences and applications with partial success. | | |
| **3.0** | **Students will be able to derive the equation of a parabola and a circle on a coordinate plane and use coordinates to prove simple geometric theorems algebraically.**  **The student will be able to:**   * Complete the square to find the center and radius of a circle given by an equation. (G-GPE.1.1) * Derive the equation of a parabola given a focus and directrix. (G-GPE.1.2) * Use coordinates to prove simple geometric theorems algebraically. For example prove or disprove points on graph result in common geometric shapes. (G-GPE.2.4) * Find the equation of a line parallel or perpendicular to a given line that passes through a given point. (G-GPE.2.5)   **No major errors or omissions regarding the score 3.0 content (simple or complex).** | | |
| **2.5** | No major errors or omissions regarding 2.0 content and partial knowledge of 3.0 content. | | |
| **2.0** | **The student recognizes and describes specific terminology such as:**   |  |  |  | | --- | --- | --- | | * Focus | * Origin | * Slope | | * Directrix | * Parallel | * Theorem | | * Parabola | * Perpendicular | * Pythagorean Theorem | | * Coordinate |  |  |   **The student will be able to:**   * Derive the equation of a circle of given center and radius using Pythagorean Theorem. (G-GPE.1.1) * Prove the slope criteria for parallel and perpendicular lines. (G-GPE.2.4) | | |
| **1.5** | Partial knowledge of the score 2.0 content, but major errors or omissions regarding score 3.0 content. | | |
| **1.0** | With 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 some of the simpler details and processes and some of the more complex ideas and processes. | | |
| **0.0** | Even with help, no understanding or skill is demonstrated | | |