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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:**

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| * Focus
 | * Origin
 | * Slope
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| * Directrix
 | * Parallel
 | * Theorem
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| * Parabola
 | * Perpendicular
 | * Pythagorean Theorem
 |
| * Coordinate
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**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)
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| **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 |