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| **LG #** | **MCR15** | **Standards:** | **G-GPE.2.5, G-GPE.2.6, G-GPE.2.7** |
| **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:*** Demonstrate how distance, midpoint, and slope can be used to determine the area and perimeter of a composite figure.

**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 use coordinates to prove simple geometric theorems algebraically.****The student will be able to:*** Prove the slope criteria for parallel and perpendicular lines (G-GPE.2.5)
* Find the point on a directed line segment between two given points that partitions the segment in a given ratio (G-GPE.2.6)
* Use coordinates to compute perimeters of polygons and areas of triangles and rectangles, e.g., using the distance formula (G-GPE.2.7)

**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:**

|  |  |  |
| --- | --- | --- |
| * Coordinates
 | * Rectangle
 | * Circle
 |
| * Origin
 | * Slope
 | * Parallel Lines
 |
| * Perpendicular Lines
 | * Ratio
 | * Partition
 |
| * Polygon
 | * Area
 | * Triangle
 |

**The student will be able to:*** Use the slope criteria for parallel and perpendicular lines to solve geometric problems (e.g., find the equation of a line parallel or perpendicular to a given line that passes through a given point (G-GPE.2.5)
* Use the slope, distance and midpoint formulas to find relationships of segments on the coordinate plane (G-GPE.2.5) (G-GPE.2.6) (G-GPE.2.7)
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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 |