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| **LG #** | **809** | **Standards:** | **8.G.1.1, 8.G.1.2** |
| **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:*** Develop a strategy for creating an image after multiple transformations on the coordinate plane.
* Investigate which transformation(s) could have occurred when given an image and a pre-image, with or without the coordinate plane.

**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 understand congruence using physical models, transparencies, or geometry software.****The student will be able to:*** [Translate, rotate, and reflect lines to other lines and line segments to line segments of the same length. (8.G.1.1a)](http://www.cpalms.org/Public/PreviewResource/Preview/66714)
* Identify corresponding parts between a figure and its image using prime notation. (8.G.1.1a)
* [Verify that angles are translated, rotated, and reflected to angles of the same measure. (8.G.1.1b)](http://www.cpalms.org/Public/PreviewResource/Preview/66721)
* Translate, rotate, and reflect parallel lines. (8.G.1.1c)
* [Verify the properties of parallel line transformations after a translation, rotation, or reflection. (8.G.1.1c)](http://www.cpalms.org/Public/PreviewResource/Preview/66724)
* [Recognize and explain that figures remain congruent through a sequence of translations, rotations, and/or reflections. (8.G.1.2)](http://www.cpalms.org/Public/PreviewResource/Preview/66726)
* Demonstrate congruence in two-dimensional figures using geometry software (Geogebra, geometers sketchpad, graphing calculator). (8.G.1.1/8.G.1.2)
* [Given two congruent figures, describe a sequence that exhibits the congruence between them. (8.G.1.2)](http://www.cpalms.org/Public/PreviewResource/Preview/66741)

**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:**

|  |  |  |
| --- | --- | --- |
| * Congruent
 | * Transformation
 | * Corresponding parts
 |
| * Rotation
 | * Parallel lines
 | * Figure
 |
| * Reflection
 | * Prime notation
 | * Vertical axis (*y*-axis)
 |
| * Translation
 | * Image
 | * Horizontal axis (*x*-axis)
 |

**The student will be able to:*** Construct a reflection of an object. (8.G.1.2)
* Construct a rotation, clockwise or counter-clockwise, of an object. (8.G.1.2)
* Construct a translation of an object. (8.G.1.2)
 |
| **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 |