**Name \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

**Similarity, Right Triangles, and Trigonometry (G.SRT.2)**

The diagram shows two quadrilaterals graphed on a coordinate plane. What transformation on quadrilateral 1 can be used to verify that it is similar to quadrilateral 2.



|  |  |  |
| --- | --- | --- |
| Statement | Yes or No | Explain your thinking |
| A dilation by a scale factor of ½ centered at the origin.  |  |  |
| A dilation by a scale factor of ½ centered at (-6.0).  |  |  |
| A dilation by a scale factor of ¾ centered at the origin.  |  |  |
| A dilation by a scale factor of 2 centered at the origin.  |  |  |

Source: PARCC Spring 2017 Geometry Released Items

https://parcc-assessment.org/wp-content/uploads/2018/01/MathReleasedItems/Geometry-Item-Set-2017.pdf