

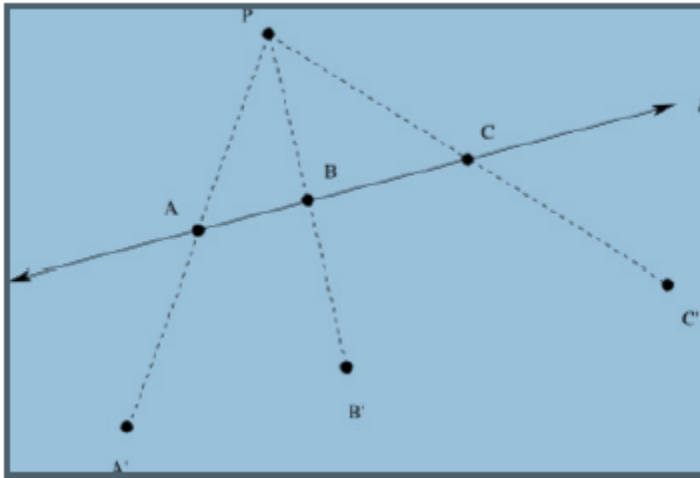


Constructed Response Rubric Benchmark Assessment Marking Scheme

Grade Level: Geometry
Item Description: Dilating a Line

Mathematical Content

1 point: Points A' , B' , and C' are all accurately placed and labeled.



Sample Procedure:
To locate the point A' , draw a line segment from P to A , and extend the line segment through A . Then place A' on this line so that the distance from P to A' is twice the distance from P to A . Locate B' and C' using a similar procedure.

Mathematical Process

2 points:

- Student states that, " $A'B' = 2AB$ " or that double AB equals $A'B'$.
- Student justification includes evidence using properties of figures or of parallel lines, or a detailed description of how tools were used to locate the points.

1 point:

- Student explanation implies that, " $A'B' = 2AB$ ".
- Student justification includes statements of what the figure appears to "look like".

0 points:

- The student provides a completely incorrect explanation or justification, one that cannot be interpreted, or there is no response.