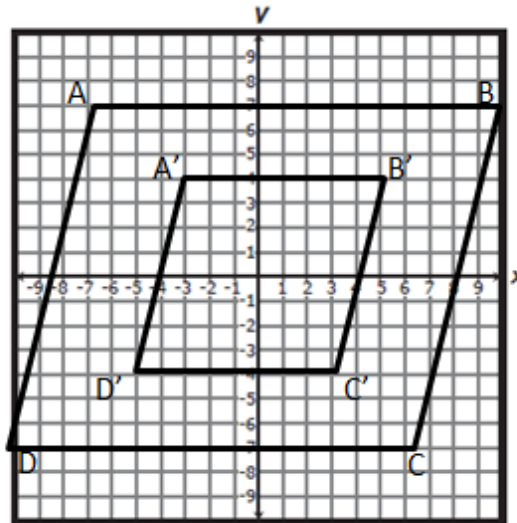


Possible Solution

Quadrilateral ABCD with the origin as the center of dilation was used to create Quadrilateral A'B'C'D'.



- Write a rule that represents the dilation that was applied to quadrilateral ABCD to create A'B'C'D' and justify your thinking.
- Since A'B'C'D' is smaller than ABCD, the scale factor must be less than one. The new coordinate points are $\frac{1}{2}$ of the original coordinate points, so the scale factor is 0.5.

$$(x, y) \rightarrow (0.5x, 0.5y)$$