

Name: _____

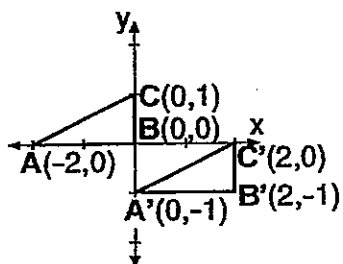
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#81

8R Period _____

TRANSLATION / POINT SYMMETRY Homework

- 1) In the accompanying diagram $\Delta A'B'C'$ is the image of ΔABC .



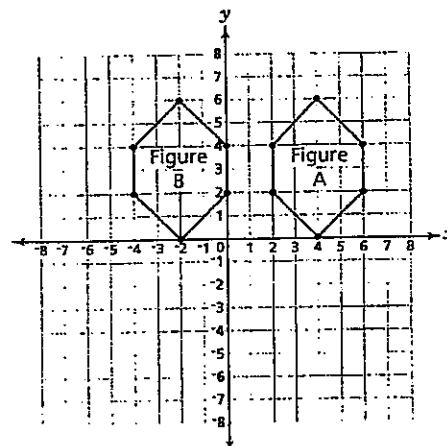
What type of transformation is represented by $\Delta A'B'C'$?

- A) dilation C) rotation
 B) translation D) reflection

- 2) Which one of the following letters has point symmetry?

- A) N C) A
 B) T D) B

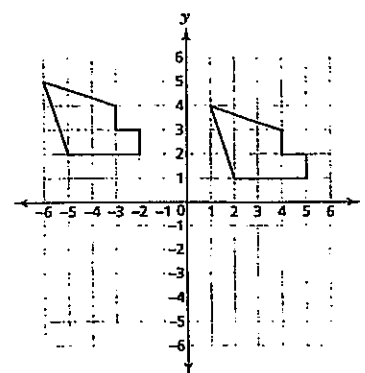
- 3) Ana drew two figures on the coordinate grid shown below.



Which transformation did Ana apply to Figure A to get Figure B?

- A) rotated 90°
 B) dilated by 6
 C) reflected in the y-axis
 D) translated 6 units to the left

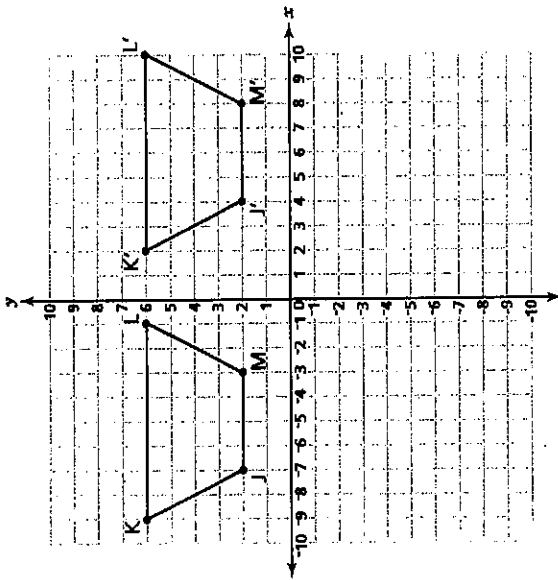
- 4) Which term best describes the transformation shown below?



- A) dilation
 B) rotation
 C) reflection
 D) translation

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Trapezoid JKLM and its transformation trapezoid J'K'L'M' are plotted on the grid below.



Part A

Name the transformation that was applied to trapezoid JKLM to get trapezoid J'K'L'M'.

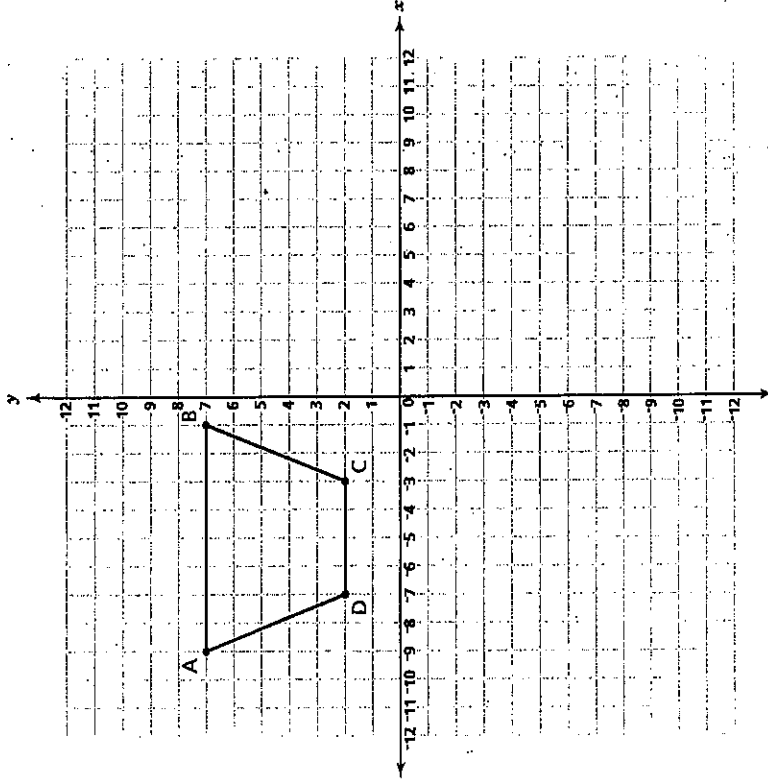
Answer _____

Part B

On the lines below, explain how you determined what transformation was applied to trapezoid JKLM to get trapezoid J'K'L'M'.

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Shawn drew figure ABCD. He plans to create figure A'B'C'D' by translating figure ABCD 6 units down and 4 units to the right. On the coordinate plane below, draw and label Shawn's figure A'B'C'D'.



Next Shawn plans to create figure A''B''C''D'' by translating figure A'B'C'D' 2 units up and 8 units to the right. What will be the coordinates of point A''?

ANSWER _____