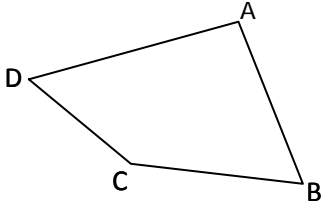


Name _____

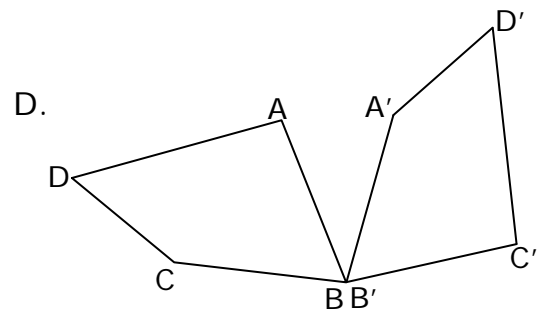
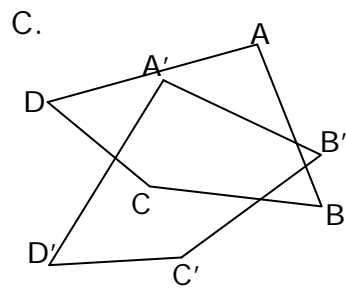
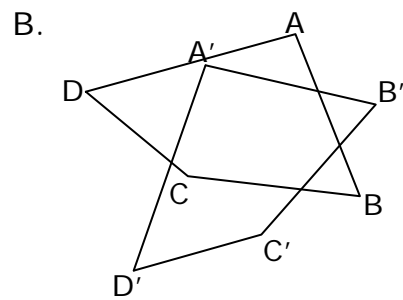
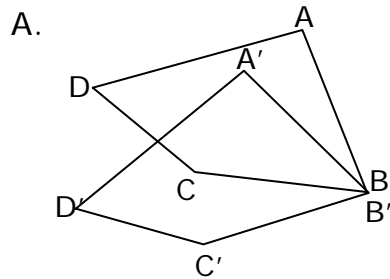
Date _____

Rotations, Reflections, and Translations of Geometric Shapes- Step-by-Step Lesson

Look at this diagram:



Which diagram shows ABCD rotated 25° counterclockwise about B?



Explanation:

Follow this basic procedure to render the drawing yourself.

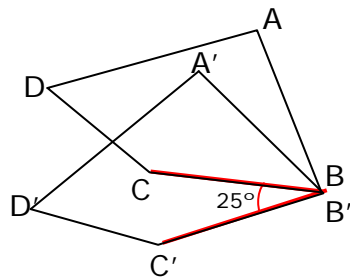
Step a: Draw the line segment between a vertex and the point of rotation.

Step b: Use a protractor to draw the angle of rotation.

Step c: Use a compass to mark the rotated vertex point on the other side of the angle.

Step d: Draw line segments connecting the rotated vertices.

A.



In above diagram $BC \cong BC'$ and $m \angle CBC' = 25^\circ$. So the correct answer is

A.

