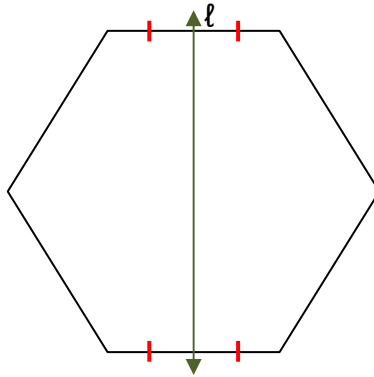


Rigid Motions to Transform Figures - Step-by-Step Lesson

Describe the transformation that would carry this regular polygon onto itself?

Explanation:

The shape is a polygon and has 6 (n) sides. Since $n = 6$ is even and ℓ passes through the midpoints of two opposite sides, ℓ is a line of symmetry. So, one answer is a reflection across ℓ .

Rotating a regular polygon by a multiple of $\frac{360^\circ}{6} = 60^\circ$ carries the polygon onto itself. The second answer is a Rotation of 60° clockwise.

