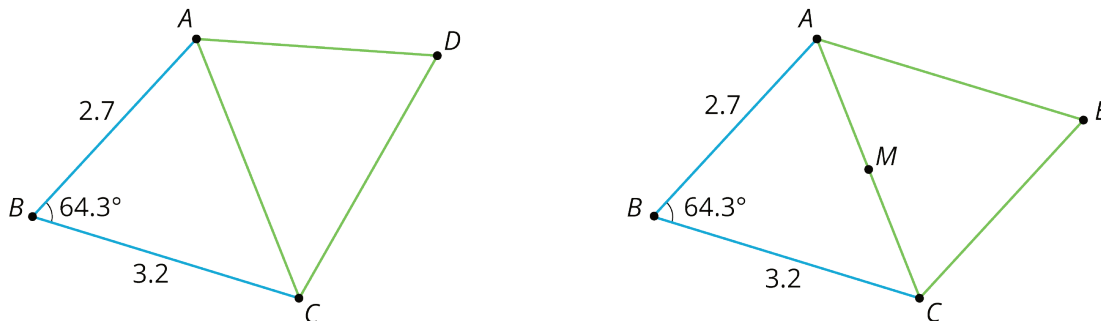# Lesson 10: Composing Figures

Cool Down: Identifying Side Lengths and Angle Measures

Here is a diagram showing triangle ABC and some transformations of triangle ABC.

On the left side of the diagram, triangle ABC has been *reflected* across line AC to form quadrilateral $ABCD$. On the right side of the diagram, triangle ABC has been *rotated* 180 degrees using midpoint M as a center to form quadrilateral $ABCE$.

Using what you know about rigid transformations, side lengths and angle measures, label as many side lengths and angle measures as you can in quadrilaterals $ABCD$ and $ABCE$.