Lesson 7: Informal Proofs of Properties of Dilations

Exit Ticket

Dilate \( \angle ABC \) with center \( O \) and scale factor \( r = 2 \). Label the dilated angle, \( \angle A'B'C' \).

1. If \( \angle ABC = 72^\circ \), then what is the measure of \( \angle A'B'C' \)?

2. If the length of segment \( AB \) is 2 cm, what is the length of segment \( A'B' \)?

3. Which segments, if any, are parallel?