

LESSON
15-2 **Angles in Inscribed Quadrilaterals**
Practice and Problem Solving: A/B

Each quadrilateral described is inscribed in a circle. Determine the angle measures.

1. Quadrilateral $ABCD$ has $m\angle A = 53^\circ$ and $m\angle B = 82^\circ$.

$m\angle C =$ _____ $m\angle D =$ _____

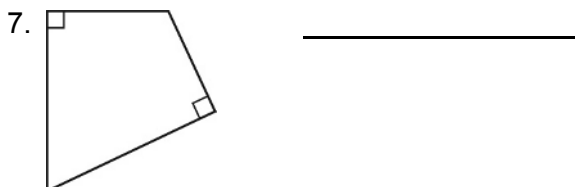
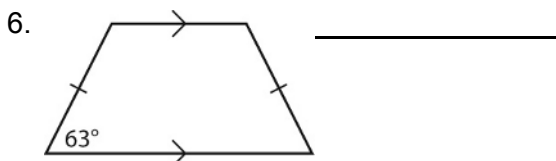
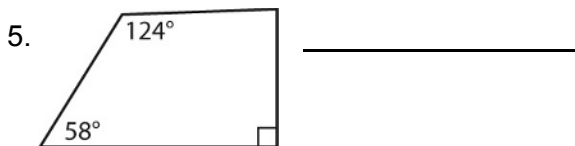
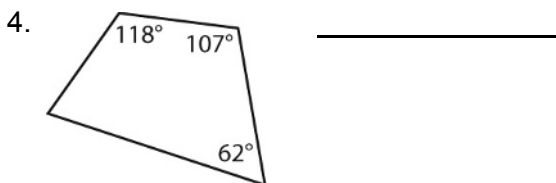
2. Quadrilateral $RSTU$ has $m\angle S = 104^\circ$ and $m\angle T = 55^\circ$.

$m\angle R =$ _____ $m\angle U =$ _____

3. Quadrilateral $JKLM$ has $m\angle J = 90^\circ$ and $\angle K \cong \angle M$.

$m\angle K =$ _____ $m\angle L =$ _____ $m\angle M =$ _____

Determine whether each quadrilateral can be inscribed in a circle. If it cannot be determined, say so.



For each inscribed quadrilateral, determine the angle measures.

