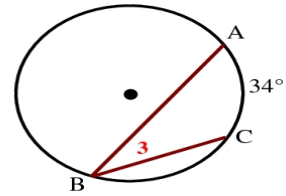
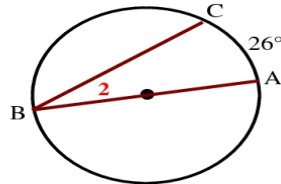
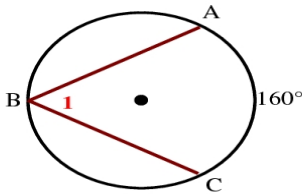


Inscribed and Other Angles Worksheet Answers

1. Find the measures of angles 1, 2, and 3.
 Arc AC1 = 160°, arc AC2 = 26°, arc AC3 = 34°



$$\text{ANGLE \# 1} = \frac{160^\circ}{2} = 80^\circ$$

$$\text{ANGLE \# 2} = \frac{26^\circ}{2} = 13^\circ$$

$$\text{ANGLE \# 3} = \frac{34^\circ}{2} = 17^\circ$$

2. IN the above figures, angle 1 = 125°, angle 2 = 12°, and angle 3 = 42°.

Find the measure of the arc AC in each case.

$$\text{Arc AC1} = 2(125^\circ) = 250^\circ$$

$$\text{Arc AC2} = 2(12^\circ) = 24^\circ$$

$$\text{Arc AC3} = 2(42^\circ) = 84^\circ$$