8. Points $R$, $S$, $T$, and $U$ lie on the circle. The measure of $\overline{RU}$ is represented by $x$.

Interior angle so

$$ML = \frac{\text{Barc} + \text{Larc}}{2}$$

Plug in #'s

$$70 = \frac{x + 55}{2}$$

Solve

$$2 \cdot 70 = x + 55$$

$$140 = x + 55$$

$$85 = x$$

What is the value of $x$?

A. 70
B. 85
C. 110
D. 140

9. Points $A$, $B$, $D$ and $E$ lie on the circle. Point $C$ is outside the circle.

$LACE$ is an external angle

So

$$ML = \frac{\text{Barc} - \text{Larc}}{2}$$

So

$$ML = 112 - 56$$

$$ML = 56$$

$$ML = 28'$$

- $AE \cong DE$
- $mBD = 56^\circ$
- $m\angle EAC = 84^\circ$

What is the measure of $\angle ACE$?

A. 28°
B. 42°
C. 56°
D. 84°