

Correct. For each row, use the formula  $s = r\theta$  for arc length, or the formula  $\theta = \frac{s}{r}$  for the radian measure of a central angle.

$$\text{For Circle I: } \theta = \frac{s}{r} = \frac{0.5 \text{ ft}}{6 \text{ in}} = \frac{6 \text{ in}}{6 \text{ in}} = 1$$

$$\text{For Circle II, } 7 \text{ feet} = 84 \text{ inches, so: } 84 \text{ in} = r \cdot 3.5 \Rightarrow r = \frac{84 \text{ in}}{3.5} = 24 \text{ in}$$

$$\text{For Circle III: } s = 48 \text{ in} \cdot 2.5 = 120 \text{ in} = 10 \text{ ft}$$