

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.

$$\text{For Circle I: } \theta = \frac{s}{r} = \frac{2 \text{ ft}}{6 \text{ in}} = \frac{24 \text{ in}}{6 \text{ in}} = 4$$

$$\text{For Circle II, } 3 \text{ feet} = 36 \text{ inches, so: } 36 \text{ in} = r \cdot 0.5 \Rightarrow r = \frac{36 \text{ in}}{0.5} = 72 \text{ in}$$

$$\text{For Circle III: } s = 8 \text{ in} \cdot 1.5 = 12 \text{ in} = 1 \text{ ft}$$