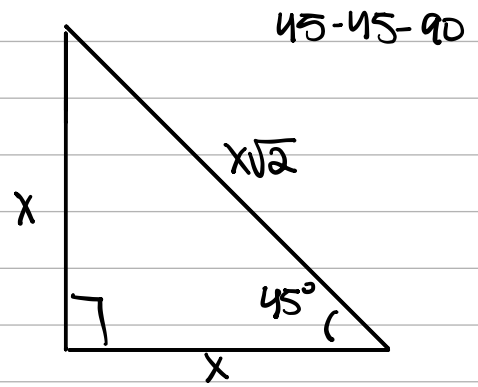
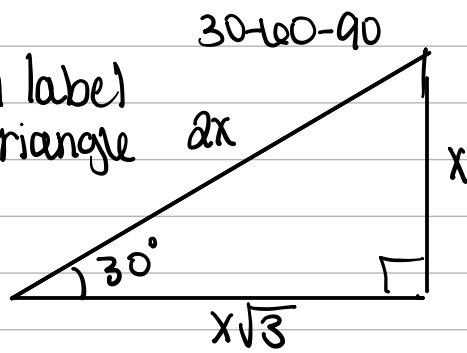


Warm up
Identify and label
each special triangle



Switching forms

a) 56° to radians

$$\frac{56}{1} \cdot \frac{\pi}{180}$$

$$\boxed{\frac{14\pi}{45}}$$

b) 90° to radians

$$\frac{90}{1} \cdot \frac{\pi}{180} \Rightarrow \boxed{\frac{\pi}{2}}$$

c) $\pi/4$ to degrees

$$\frac{\pi}{4} \cdot \frac{180}{\pi} \Rightarrow \boxed{45^\circ}$$

d) $2\pi/5$ to degrees

$$\frac{2\pi}{5} \cdot \frac{180}{\pi} \Rightarrow \frac{180 \cdot 2}{5} \Rightarrow \boxed{72^\circ}$$

Coterminal angles: angles that share the same terminal and initial side

Find one positive and one negative coterminal angle for each value

$$\frac{2\pi}{3} \quad \frac{2\pi}{3} + 2\pi \quad \frac{2\pi}{3} + \frac{6\pi}{3} = \boxed{\frac{8\pi}{3}}$$

$$\frac{2\pi}{3} - \frac{6\pi}{3} = \boxed{-\frac{4\pi}{3}}$$

$$\frac{2\pi}{5} \quad \frac{2\pi}{5} + 2\pi \quad \frac{2\pi}{5} + \frac{10\pi}{5} = \boxed{\frac{12\pi}{5}}$$

$$\frac{2\pi}{5} - \frac{10\pi}{5} = \boxed{-\frac{8\pi}{5}}$$