

Warm-up: Coterminal Angles

(one positive, one negative)

1. 935°

$$\begin{array}{r} 935 \\ -360 \\ \hline \end{array}$$

$$\begin{array}{r} 575^\circ \\ \hline \end{array}$$

$$\begin{array}{r} -360 \\ \hline \end{array}$$

$$\begin{array}{r} 215^\circ \\ \hline \end{array}$$

$$\begin{array}{r} -360^\circ \\ \hline \end{array}$$

$$\begin{array}{r} -145^\circ \\ \hline \end{array}$$

either
will
work \Downarrow

2. $\frac{-22\pi}{5}$

$$-\frac{22\pi}{5} + 2\pi = \left(-\frac{12\pi}{5}\right)$$

$$-\frac{12\pi}{5} + 2\pi = \left(-\frac{2\pi}{5}\right)$$

$$-\frac{2\pi}{5} + 2\pi = \left(\frac{8\pi}{5}\right)$$

either
will
work