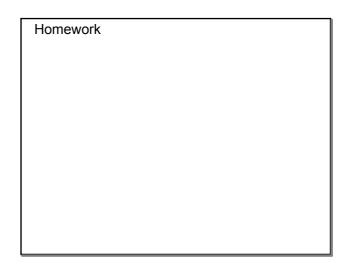
Lesson 69 Objective: SWBAT solve simple equations using reference angles.

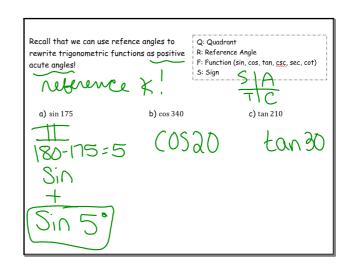
Kickoff:

1) Find the supplement and complement angle of $\frac{3\pi}{5}$ if possible.

2) Find the reference angle of:

a) 210° - 80° - 60° - $60^$





Reference angles can also be useful to solve for missing angles! (Simple Equations) $\begin{array}{c} \text{KinVl(SL trig)}, \\ \text{Examples: Find } \theta \text{ to the nearest degree from } 0^{\circ} \leq \theta \leq 360^{\circ} \\ \text{1) } \tan \theta = -0.5095, \text{ in quadrant II.} \\ \text{153} \\ \text{153} \\ \text{2) Solve for all values of } \theta, \sin \theta = 0.707 \\ \text{Sin(30)} \\ \text{135} \\ \text{135}$

