Today's Plan:

Learning Target (standard): I will use the fundamental identities, the even and odd properties of trigonometric functions and the complementary angle theorem to evaluate trigonometric expressions.

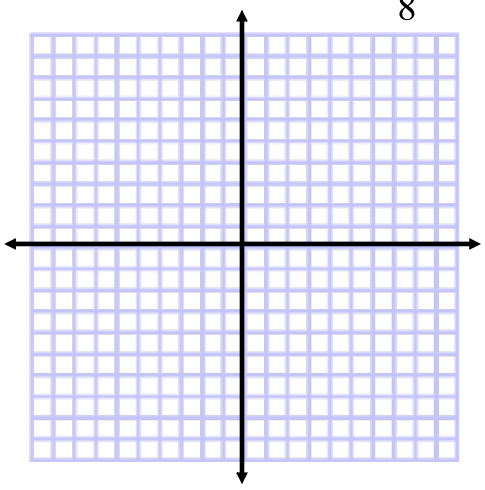
Students will: Complete practice problems over previous concepts at the boards and take a test on trigonometric angles.

Teacher will: Provide practice problems over previous concepts and assess knowledge of trigonometric functions through a unit test.

Assessment: Board work and test.

Differentiation: Students will work at the board, go over and correct homework at their seats, actively engage in lecture over new concepts, practice new concepts with the aid of other students and the teacher and complete homework assignment.

Find the trig values for $\frac{\pi}{8}$.

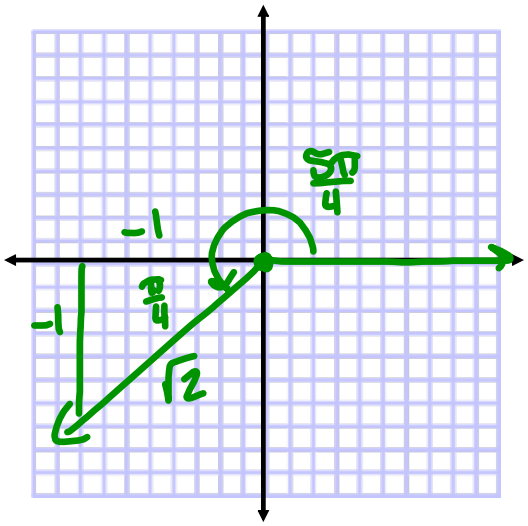


$\sin\frac{\pi}{8} = 0.383$ $\csc\frac{\pi}{8} = 2.613$

$\cos\frac{\pi}{8} = 0.924$ $\sec\frac{\pi}{8} = 1.082$

$\tan\frac{\pi}{8} = 0.414$ $\cot\frac{\pi}{8} = 2.414$

Find the trigonometric values for $\frac{5\pi}{4}$



$\sin\frac{5\pi}{4} = -\frac{\sqrt{2}}{2}$ $\csc\frac{5\pi}{4} = -\sqrt{2}$

$\cos\frac{5\pi}{4} = -\frac{\sqrt{2}}{2}$ $\sec\frac{5\pi}{4} = -\sqrt{2}$

$\tan\frac{5\pi}{4} = 1$ $\cot\frac{5\pi}{4} = 1$