

Bellwork Wednesday, April 16, 2014

1. Find the value of each to the nearest hundredth.

a) $\cot(-75^\circ)$

b) $\sec \frac{3\pi}{7}$

c) $\csc 2.5$

2. Use the Unit Circle to find the exact value of each.
Rationalize all denominators.

a) $\csc 600^\circ$

b) $\cot \frac{9\pi}{4}$

c) $\sec \frac{5\pi}{6}$

3. Given $\sec\theta = \frac{40}{9}$ Find the other five trig ratios.
Rationalize all denominators.

$\sin\theta =$

$\cos\theta =$

$\tan\theta =$

$\cot\theta =$

$\csc\theta =$

4. Given $\cot\theta = \frac{2}{5}$ Find the other five trig ratios.
Rationalize all denominators.

$\sin\theta =$

$\cos\theta =$

$\tan\theta =$

$\sec\theta =$

$\csc\theta =$