

Chapter 3 Lesson 7: Evaluating Trigonometric Expressions Continued

Warm Up: (15 minutes)

1 - 6] Evaluate the trigonometric expressions.

1) $\sin\left(\frac{4\pi}{3}\right)$ 2) $\cos\left(\frac{2\pi}{3}\right)$

3) $\tan(-\pi)$ 4) $\sec\left(\frac{3\pi}{2}\right)$

5) $\csc\left(\frac{5\pi}{6}\right)$ 6) $\sin\left(-\frac{7\pi}{4}\right)$

7. How confident are you on this warm up exercises on a scale from 1 - 5 with...

1 = I don't know what I'm doing and I am going to be here after school for extra help.

5 = Give me a quiz right now - I'm ready!

Example) Evaluate

$$\tan\left(\frac{17\pi}{6}\right)$$



Example) Evaluate

$$\cos\left(\frac{13\pi}{2}\right)$$

What about

$$\sin\left(\frac{13\pi}{2}\right)$$

$$\cot\left(\frac{13\pi}{2}\right)$$



Example) Evaluate

$$\tan\left(\frac{15\pi}{4}\right)$$



Example) Evaluate

$$\sec\left(\frac{14\pi}{3}\right)$$



Classwork/Homework Assignment

Problem Set 3.7