Name _____ Date _____

Applying Trigonometric Identities - Guided Lesson Explanation

Use the following references to solve.

$\tan \theta = \frac{\sin \theta}{\cos \theta}$ $\cot \theta = \frac{\cos \theta}{\sin \theta}$ $\sec \theta = \frac{1}{\cos \theta}$ $\cot \theta = \frac{1}{\sin \theta}$

$\sin(x) = \cos(x - \pi/2)$ $\csc \theta = \frac{1}{\sin \theta}$

Explanation#1

Sin x=0.99

Explanation#2

cos ß =0.40

Explanation#3

sin ß =0.866