

Name _____

Date _____

Pythagorean Identities - Guided Lesson

Complete the following problems:

1) Simplify the expression: $(\sec^2 x - 1)(\cot x)$ to a single trigonometric function.

2) Simplify $\sin^2 x + \sin^2 x \cot^2 x$

3) If $\csc \Theta = \frac{7}{6}$ and $\tan \Theta = \frac{6}{3.6}$

Find the values of the $\cos \Theta$, using a Pythagorean identity.

