

Math 1613 - Trigonometry

Quiz #14 - 2011.10.04

Name: _____

1. Starting with the identity $\sin(A + B) = \sin(A) \cos(B) + \cos(A) \sin(B)$, what properties of sine and cosine do we use to arrive at the identity $\sin(A - B) = \sin(A) \cos(B) - \cos(A) \sin(B)$?

2. Verify that the following equation is an identity:

$$\frac{\cos(\theta) + 1}{\tan^2(\theta)} = \frac{\cos(\theta)}{\sec(\theta) - 1}$$