

Name: _____

Date: _____

**Trigonometric Identities
Practice Worksheet 2**

Write the trigonometric expression in terms of sine and cosine, and then simplify.

1. $\cos t \tan t$

2. $\sin \theta \sec \theta$

3. $\tan^2 x - \sec^2 x$

4. $\sin u + \cot u \cos u$

5. $\frac{\sec \theta - \cos \theta}{\sin \theta}$

6. $\cos t \csc t$

7. $\tan \theta \csc \theta$

8. $\frac{\sec x}{\csc x}$

9. $\cos^2 \theta (1 + \tan^2 \theta)$

10. $\frac{\cot \theta}{\csc \theta - \sin \theta}$