

Adv. Alg./ Trig.
Worksheet - Sec. 7.1

Name _____
Date _____

Simplify :

1. $\sec x \cos x$

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

3. $\frac{1 - \cos^2 x}{\sin x}$

4. $\cot x \sec x$

5. $\cos^2 x (\sec^2 x - 1)$

6. $\frac{\sec^2 x - 1}{\sin^2 x}$

7. $\cot x \sec x$

8. $\frac{\cot x}{\tan x}$

9. $\frac{\sin^2 x \cot x}{\cos x}$

10. $\sin^2 x \cos^2 x - \cos^2 x$

11. $\cos x + \sin x \tan x$

12. $\sin x (\csc x - \sin x)$