

5.2 Practice

Name: _____

Directions: Of the 10 questions shown below, choose 8 to verify

1. $\tan x = \frac{\sec x}{\csc x}$	2. $\sec x \csc x = \tan x + \cot x$
3. $\sin \theta \cos \theta \tan \theta + \cos^2 \theta = 1$	4. $\cot \theta \sec \theta \sin \theta = 1$
5. $\sec \theta - \sec \theta \sin^2 \theta = \cos \theta$	6. $\cos^2 x - \sin^2 x = 1 - 2\sin^2 x$
7. $\csc x - \sin x = \cot x \cos x$	8. $\sin^2 x (1 + \cot^2 x) = 1$
9. $\sin x \tan x = \frac{1 - \cos^2 x}{\cos x}$	10. $\frac{\sin x}{\tan x} + \frac{\cos x}{\cot x} = \sin x + \cos x$

1. Number I chose: _____	2. Number I chose: _____
3. Number I chose: _____	4. Number I chose: _____
5. Number I chose: _____	6. Number I chose: _____
7. Number I chose: _____	8. Number I chose: _____