

PRECAL HONORS

Name _____

7.2 – VERIFYING IDENTITIES, PART A

Verify each identity.

1. $\frac{\tan \alpha}{\sec \alpha} = \frac{\cos \alpha}{\cot \alpha}$

2. $\tan^2 x + \csc^2 x = \sec^2 x + \cot^2 x$

3. $\frac{1}{\cos \theta \cdot \sin^2 \theta} = \sec \theta \cdot \csc^2 \theta$

4. $\frac{1 + \sec x}{\sec x} = 1 + \cos x$

5. $\frac{\sin^2 \gamma}{\sec \gamma} = \frac{\cos \gamma}{\csc^2 \gamma}$