

PRECAL HONORS

Name _____

7.2 – VERIFYING IDENTITIES, PART B

Verify each identity.

$$1. \frac{\csc^2 x + \cos x}{\csc^2 x} = \cos x \cdot \sin^2 x + 1$$

$$2. \frac{1}{\cot \alpha} = \sin \alpha \cdot \sec \alpha$$

$$3. \csc \beta \cdot \cos \beta = \cot \beta$$

$$4. \frac{\csc x}{1 - \csc x} = \frac{1}{\sin x - 1}$$

$$5. \sec \gamma + \tan^2 \gamma - \sec^2 \gamma = \frac{1 - \cos \gamma}{\cos \gamma}$$