

Classwork 16
Precalculus MTH 130
Instructor: Abhijit Champanerkar

Name: _____

1. Verify the following trigonometric identities.

1. $\frac{1}{1 - \sin^2 y} = 1 + \tan^2 y$

2. $(1 - \cos^2 x)(1 + \cot^2 x) = 1$

3. $\frac{\sin x + \cos x}{\sec x + \csc x} = \sin x \cos x$