


Verify. Show enough work so that I could duplicate your answers.

1. $\frac{\sec x - \cos x}{\cos x} = \tan^2 x$

2. $\sin x(\csc x - \sin x) = \cos^2 x$

3. $(1 + \sin x)(1 - \sin x) = \cos^2 x$

4. $\csc x - \sin x = \cos x \cot x$

 $\frac{1 + \sin x}{\cos x} = \frac{\cos x}{1 - \sin x}$

6. $\tan^2 x - \sin^2 x = \sin^2 x \tan^2 x$