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2.2 ~	 Verifying Trigonometric Identities

Rules: * Work on one side at a time. * Factor, add, multiply as needed. * fall else fails, change everything to sines and cosines. * Never multiply or divide both sides by something. * Always try something. Example 1: Verify this identity

 $\cos x + \sin x \tan x = \sec x$

Example 2: Verify sec x - cos x = sin x tan x Rationalizing the denominator by using a conjugate is powerful.

Example 3: Verify

 $\frac{\sec x - 1}{1 - \cos x} = \sec x$

