

Mastery Check

1) Use the trigonometric identities to transform the left of the equation into the right side.

a) $\tan \theta \cot \theta = 1$

b) $\tan \alpha \cos \alpha = \sin \alpha$

c) $(1 + \cos \theta)(1 - \cos \theta) = \sin^2 \theta$

d) $\frac{\sin \theta}{\cos \theta} + \frac{\cos \theta}{\sin \theta} = \csc \theta \sec \theta$