

MATH110 - College Trigonometry

Short Quiz 005

What is the value of $\csc^2 \theta + 7 - \cot^2 \theta$?
=8

The reciprocal of tangent is secant.
=False

If $\sin \theta = \frac{1}{3}$, then $\cos \theta = \frac{2\sqrt{2}}{3}$
=True

If $\sec \theta = \frac{19}{11}$, then what is the value of
 $\sec^2 \theta - \sin \theta - \tan^2 \theta$?
=8/19

If $\sec \theta = -\frac{17}{8}$ and θ is in QIV, then what is
=15/17

What is the reciprocal of $\sec \theta$?
= $\cos \theta$

Which of the following equivalent to $(\sin \theta - \cos \theta)(\sin \theta + \cos \theta)$?
= $1 - 2\cos^2 \theta$

$\sec \theta \cot \theta = \csc \theta$
=true

Simplify $(4\sec^2 \theta - 4\tan^2 \theta) / (2\sin^2 \theta + 2\cos^2 \theta)$
=2

If $\sec \theta = \frac{7}{5}$, then what is $7(1 + \sin \theta)$?
=12