

Simplifying Trigonometric Expressions

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Name: _____

1) $\frac{\tan^2 t + 1}{1 + \cot^2 t}$

2) $\frac{1 - \cos^2 t}{\sin^2 t}$

3) $\sec t \tan t \cos t$

4) $\tan^2 t(\csc^2 t - 1)$

5) $\frac{\tan^2 t}{1 - \sec^2 t}$

Answers:

1) $\tan^2 t$

3) $\tan t$

5) -1

2) 1

4) 1

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