

Name : _____

Simplify

Sheet 3

Simplify each expression using trigonometric fundamental identities.

1) $\csc^3 x \sin x$

2) $\frac{\sec^2(90^\circ - x)}{\cot^2 x}$

3) $\csc^2 x \tan x$

5) $\frac{\tan x \cot x}{\csc x}$

7) $\tan^3 x \csc^3 x$

8) $\frac{1 - \sin^2 x}{\csc^2 x - 1}$

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