7.1 Extra Practice

Simplify the following expressions.

- 1) $\sin x \cot x$
- 5) $\cos x + \tan x \sin x$

2) $\frac{\sec x}{\csc x}$

6) $\sin^3 x + \sin x \cos^2 x$

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

- 7) $\frac{\csc x \sin x}{\csc x}$
- 4) $\sin t \sin t \cos^2 t$
- $8) \ \frac{\sin x}{\cos x} + \frac{\cos x}{1 + \sin x}$

