

Written HW12 – MATH 1540 Spring 2023

Simplify the trigonometric expression. “Simplify” means write it with the fewest symbols possible. The list of identities we’ve covered in class may be useful (cofunction, definitional, even/odd, and Pythagorean).

1. $\cos(x)(\tan(x) - \sec(-x))$

2. $\frac{\cot(-t) + \tan(-t)}{\cos(-t)}$

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