

MATH 2B/5B Prep: Trigonometric Functions

1. Show the trig identity $1 + \cot^2(x) = \csc^2(x)$. (See Example 1)

2. Compute $\cos(3\pi/4)$ and $\sin(3\pi/4)$.

3. Find $\cos(-\pi/3)$ and $\sin(-\pi/3)$.

4. Write $\cos^2(x)$ in terms of $\cos(2x)$.