Quiz 2
Due: 30 January 2024

> Answer the questions in the spaces provided. **Show all of your work and circle the answer you would like to have graded for each question.**

Name: _____

(10 points) 1. Justify whether each of the following statements are True or False:

a.) $\sin(-\frac{7\pi}{2}) = \sin(\pi + \frac{\pi}{2})$;

b.) $\tan(\theta)$ is an odd function.

(10 points) 2. Suppose $\tan(\theta) = -\sqrt{3}$. Give at least three different possibilities for the angle θ.

(10 points)   3. Suppose $\cos(\theta) = -3/5$ and $\sin(\theta) = 4/5$. Show how to compute $\csc(-\theta) + \tan(\theta)$.

(10 points)   4. Show how to compute $\cos(\frac{11\pi}{6}) \cdot \tan(\frac{7\pi}{6}) + \sec(-\frac{\pi}{3})$.