

Name _____ Date _____ raw _____ percent _____

Math 11 Trimester 2 Quiz 1 (12 Points)
Trigonometry

■ First question 3 points, second one 9 points.

[1] Find all numbers x such that $\cos x = \frac{-\sqrt{3}}{2}$.

[2] Prove that for all $x \in \mathbb{R} - \left\{ \frac{\pi}{2} + n\pi, n \in \mathbb{Z} \right\}$, $\sec^4 x - \tan^4 x = \sec^2 x + \tan^2 x$