

Math 1613 - Trigonometry

Quiz #3 - 2012.01.24

Solutions

1. What is the difference between an angle and a reference angle?

An angle is measured from the positive x -axis always, while a reference angle is measure from the x -axis to always yield a positive acute angle.

2. In which quadrant(s) will $\sec(\theta) < 0$ and $\cot(\theta) > 0$?

Since $\sec(\theta) < 0$ in quadrants II and III, and $\cot(\theta) > 0$ in quadrants I and III, the quadrant they share in common is quadrant III.