

Math 1613 - Trigonometry

Quiz #6 - 2011.09.06

Solutions

1. What is the relationship between radian measure and degree measure?

Both are angle measures, where 360° is a single rotation around a circle, 2π is a single rotation around the same circle for radian measure. Thus, $360^\circ = 2\pi$ radians.

2. Express the bearing 304° as a bearing from the north-south line followed by an east-west direction.

The bearing 304° is in the second quadrant, with only 56° from completing a full rotation. This of course, gives us our answer, which is N 56° W.