

MAT130 HW2

Each problem is worth 2 points

Problem 6 from 2.1 Which is smaller: an angle of degree measure 20 or an angle of radian measure $\frac{1}{2}$? Explain.

Problem 17 from 2.1 Find the degree measure for $\frac{\pi}{60}$ rad. Express the answer in exact form and in approximate form with decimal degrees to four significant digits.

Problem 44 from 2.3 Find the exact value of each of the six trigonometric functions for an angle θ that has a terminal side containing the point $(-1, \sqrt{3})$.

Problem 46 from 2.3 In which quadrant must the terminal side of an angle θ lie in order for the following to be true: $\sin \theta > 0$?

Problem 32 from 2.5 Find the exact value of $\cos \frac{7\pi}{4}$.