

Math 1015 August 29, 2019 Homework 2

Do problems from your text: 1.2 # 1-29 odds

1) The side opposite angle A has length 11, and the adjacent side has length 11. Find the length of the hypotenuse, and find the value of the 6 trig functions of the angle A.

2) Suppose that $\sin A = \frac{5}{7}$. Sketch a reference right triangle with this angle A, calculate the unknown side, then find the value of the remaining 5 trig functions of A.

3) Suppose that $\tan A = \frac{8}{7}$. Sketch a reference right triangle with this angle A, calculate the unknown side, then find the value of the remaining 5 trig functions of A.

4) Suppose that $\sec A = 2.1565$. Sketch a reference right triangle with this angle A, calculate the unknown side, then find the value of the remaining 5 trig functions of A. Approximate the values to 4 or 5 significant digits.