

§1.4: TRIGONOMETRY

1.] Evaluate the following expressions:

a.) $\sin\left(\frac{8\pi}{3}\right)$

b.) $\csc\left(-\frac{11\pi}{3}\right)$

2.] Suppose $\sin(\theta) = -\frac{4}{5}$ and $\pi < \theta < \frac{3\pi}{2}$. Evaluate the other five trigonometric functions at θ .

3.] Solve the following trigonometric equation: $\sqrt{2}\sin(x) + 1 = 0$

4.] Suppose $\theta = \arcsin\left(\frac{2}{5}\right)$. Find $\cos \theta$ and $\tan \theta$.

5.] Fill in the unit circle below:

