**5.3 Exercise Set**

1. Find the reference angle θ’ for each angle θ.

a) 820˚

b) $ \frac{7π}{6}$

c) $-\frac{19π}{5}$

2. Determine the exact value of each trigonometric function. Do not use a calculator.

a) $sin\frac{5π}{4}$

b) $csc\frac{19π}{6}$

4. For which values of θ, 0˚ ˂ θ ˂2π, is each of the following undefined?

a) $cotθ$

b)$tanθ$

c) $secθ$

5. Find the smallest positive θ in degree measure for which $cosθ=\frac{-\sqrt{3}}{2}$

6. Find the value of $0\leq x<2π$ for which $\sec(x= -\frac{2}{\sqrt{3}})$.