1. Given that t is the real number that corresponds to the point (x, y) on the unit circle, fill in the following: (6pts)

$\sin(t) =$ $\qquad\qquad\qquad$ $\csc(t) =$

$\cos(t) =$ $\qquad\qquad\qquad$ $\sec(t) =$

$\tan(t) =$ $\qquad\qquad\qquad$ $\cot(t) =$

2. Find the point (x, y) on the unit circle that corresponds to $t = \frac{5\pi}{4}$. (1pt)

3. Evaluate the sine and cosine for $t = -\frac{4\pi}{3}$. (3pts)

$\sin\left(-\frac{4\pi}{3}\right) =$

$\cos\left(-\frac{4\pi}{3}\right) =$

$\tan\left(-\frac{4\pi}{3}\right) =$