Math 100

Homework

Due by 5:00 PM Monday, September 24th.

1. For each value of $t$ given below, plot $W(t)$ on the unit circle $C$.

   (a) $t = \frac{3\pi}{4}$

   (b) $t = \frac{-2\pi}{3}$

   (c) $t = \frac{5\pi}{2}$

   (d) $t = -3\pi$

   (e) $t = \frac{3\pi}{2}$
2. For each value of $t$ given below, use your graphs from 1 to find $W(t)$, $\cos(t)$, and $\sin(t)$.

(a) $t = \frac{5\pi}{2}$

(b) $t = -3\pi$

(c) $t = \frac{3\pi}{2}$