Classwork 15
Intermediate Algebra MTH 35
Topic: Unit Circle Trigonometry

Name: _____

1. Convert from degree to radians.

   (a) $270^\circ =$ _____ (b) $120^\circ =$ _____

   (c) $-120^\circ =$ _____ (d) $-135^\circ =$ _____

   (e) $480^\circ =$ _____ (f) $540^\circ =$ _____

2. Convert from radians to degrees.

   (a) $\pi/4 =$ _____ (b) $3\pi/2 =$ _____

   (c) $-5\pi/6 =$ _____ (d) $-4\pi/3 =$ _____

   (e) $8\pi/3 =$ _____ (f) $-3\pi/2 =$ _____

3. Using the figures below, find the terminal point on the unit circle determined by the real numbers:

   (a) $t = -\pi/4$

(b) $t = 5\pi/6$

(c) $t = -5\pi/3$

(d) $t = 8\pi/3$

(e) $t = 5\pi/4$