

HW 3- Pg. 485 #9-15

9.  $225^\circ = \frac{5\pi}{4} \text{ rads}$

10. (a)  $48^\circ = \frac{4\pi}{15} \text{ rads}$

(b)  $54^\circ = \frac{3\pi}{10} \text{ rads}$

(c)  $160^\circ = \frac{8\pi}{9} \text{ rads}$

(d)  $120^\circ = \frac{2\pi}{3} \text{ rads}$

11. (a)  $\frac{\pi}{10} \text{ rads} = 18^\circ$

(b)  $\frac{5\pi}{6} \text{ rads} = 150^\circ$

(c)  $\frac{8\pi}{3} \text{ rads} = 480^\circ$

(d)  $\frac{7\pi}{4} \text{ rads} = 315^\circ$

(e)  $\frac{11\pi}{9} \text{ rads} = 220^\circ$

(f)  $10\pi/3 \text{ rads} = 600^\circ$

(g)  $3\pi/5 \text{ rads} = 108^\circ$

(h)  $4\pi = 720^\circ$

12.  $\frac{\pi}{2}$  is less than  $180^\circ$

13.  $\frac{3\pi}{4}$  is less than  $180^\circ$

14.  $9\pi/4$  is greater than  $360^\circ$

15.  $2\pi$  is equal to  $360^\circ$