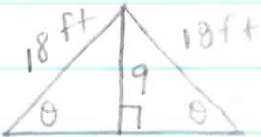


HW #35 p.288

1. 0 7. $\frac{\pi}{4}$
 3. $\frac{\pi}{4}$ 9. $\frac{\pi}{6}$
 5. $-\frac{\pi}{4}$ 11. $\frac{\pi}{4}$

15.  $\sin \theta = \frac{9}{18}$ $\sin^{-1} \frac{1}{2} = \theta$
 $\theta = \frac{\pi}{6}$

76. Amplitude $\frac{4}{2} = 2$ $y = 2 \cos \frac{\pi t}{5}$
 Period = 10 $10 = \frac{2\pi}{B}$ $B = \frac{2\pi}{10} = \frac{\pi}{5}$

77. $\tan 30^\circ = \frac{x}{10}$ $x = 10 \tan 30^\circ$ $x = 5.8$

78. $\sin 54^\circ = \frac{17.8}{x}$ $x = \frac{17.8}{\sin 54^\circ}$ $x = 22$

79. $\cos 60^\circ = \frac{3}{x}$ $x = \frac{3}{\cos 60^\circ}$ $x = 6$