Pg 392+393 #1-23odd & 43-51odd

pg 406 #33-47odd

1.) $\sin t = \frac{\sqrt{15}}{4}$ $\csc t = \frac{4\sqrt{15}}{15}$

$\cos t = 1/4$ $\sec t = 4$

$\tan t = \sqrt{15}$ $\cot t = \sqrt{15}/15$

3.) $\sin t = \frac{\sqrt{21}}{5}$ $\csc t = \frac{5\sqrt{21}}{21}$

$\cos t = -2/5$ $\sec t = -5/2$

$\tan t = -\sqrt{21}/2$ $\cot t = \frac{-2\sqrt{21}}{21}$

5) $\sin t = -1/6$ $\csc t = -6$

$\cos t = -\frac{\sqrt{35}}{6}$ $\sec t = \frac{-6\sqrt{35}}{35}$

$\tan t = \sqrt{35}/35$ $\cot t = \sqrt{35}$

7.) $\sin t = -1/3$ $\csc t = -3$

$\cos t = 2\sqrt{2}/3$ $\sec t = \frac{3\sqrt{2}}{4}$

$\tan t = -\sqrt{2}/4$ $\cot t = -2\sqrt{2}$

9.) $\sin t = 2/7$ $\csc t = 7/2$

$\cos t = -\frac{3\sqrt{5}}{7}$ $\sec t = \frac{-7\sqrt{5}}{15}$

$\tan t = \frac{-2\sqrt{5}}{15}$ $\cot t = -\frac{3\sqrt{5}}{2}$

11.) $\frac{\sqrt{2}+1}{2}$ 13.) 2

15.) $1/2$ 17) $\sqrt{6}$

19) 4 21) 0 23) 0

43.) $\sin(-45°) = -\sqrt{2}/2$ $\csc(-45) = -\sqrt{2}$

$\cos(-45°) = \sqrt{2}/2$ $\sec(-45) = \sqrt{2}$

$\tan(-45) = -1$ $\cot(-45) = -1$

45) $\theta = 5\pi/2$

$\sin\theta = 1$ $\csc\theta = 1$

$\cos\theta = 0$ $\sec\theta =$ undef

$\tan\theta =$ undef $\cot\theta = 0$

47) $\theta = -180$

$\sin\theta = 0$ $\csc\theta =$ undef

$\cos\theta = -1$ $\sec\theta = -1$

$\tan\theta = 0$ $\cot\theta =$ undef

49.) $\theta = -\pi/2$

$\sin\theta = -1$ $\csc\theta = -1$

$\cos\theta = 0$ $\sec\theta =$ undef

$\tan\theta =$ undef $\cot\theta = 0$

51) $\theta = 480°$

$\sin\theta = \frac{\sqrt{3}}{2}$ $\cos\theta = \frac{1}{2}$ $\tan\theta = -\sqrt{3}$ $\csc\theta = \frac{2\sqrt{3}}{3}$ $\sec\theta = -2$ $\cot\theta = -\frac{\sqrt{3}}{3}$

pg 406 33-47 odd

33) $\cos\theta = \frac{-5}{13}$ $\csc\theta = \frac{13}{12}$

$\tan\theta = \frac{-12}{5}$ $\sec\theta = -13/5$

$\cot\theta = -5/12$

35) $\sin\theta = -3/5$ $\csc\theta = -5/3$

$\cos\theta$ $\sec\theta = -5/4$

$\tan\theta = 3/4$ $\cot\theta = 4/3$

37) $\sin\theta$ $\csc\theta = 13/5$

$\cos\theta = \frac{-12}{13}$ $\sec\theta = -13/12$

$\tan\theta = \frac{-5}{12}$ $\cot\theta = -12/5$

39) $\sin\theta = \frac{2\sqrt{2}}{3}$ $\csc\theta = \frac{3\sqrt{2}}{4}$

$\cos\theta =$ $\sec\theta = -3$

$\tan\theta = -2\sqrt{2}$ $\cot\theta = -\frac{\sqrt{2}}{4}$

41) $\sin\theta =$ $\csc\theta = 3/2$

$\cos\theta = -\frac{\sqrt{5}}{3}$ $\sec\theta = \frac{-3\sqrt{5}}{5}$

$\tan\theta = \frac{-2\sqrt{5}}{5}$ $\cot\theta = -\frac{\sqrt{5}}{2}$

43) $\sin\theta = -\frac{\sqrt{3}}{2}$ $\csc\theta = \frac{-2\sqrt{3}}{3}$

$\cos\theta = \frac{1}{2}$ $\sec\theta =$

$\tan\theta = -\sqrt{3}$ $\cot\theta = -\frac{\sqrt{3}}{3}$

45) $\sin\theta = -3/5$ $\csc\theta = -5/3$

$\cos\theta = -4/5$ $\sec\theta = -5/4$

$\tan\theta =$ $\cot\theta = 4/3$

47) $\sin\theta = \frac{\sqrt{10}}{10}$ $\csc\theta = \sqrt{10}$

$\cos\theta = \frac{-3\sqrt{10}}{10}$ $\sec\theta = -\frac{\sqrt{10}}{3}$

$\tan\theta =$ $\cot\theta = -3$