

HW 82

p476

33. $\sin \pi = 0$

34. $\csc 3\pi/2 = -1$

35. $\sec 3\pi/2 = \text{undef}$

36. $\sec \pi = -1$

37. $\sin \pi/2 = 1$

38. $\cot \pi = \text{undef}$

87. a) $\theta = 30^\circ (\pi/6) \text{ \& } 150^\circ (5\pi/6)$

b) $\theta = 210^\circ (7\pi/6) \text{ \& } 330^\circ (11\pi/6)$

88. a) $\theta = 45^\circ (\pi/4) \text{ \& } 315^\circ (7\pi/4)$

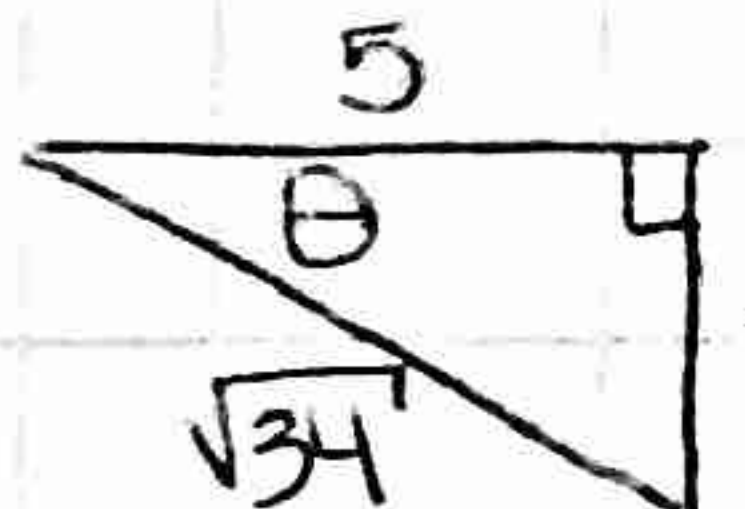
b) $\theta = 135^\circ (3\pi/4) \text{ \& } 225^\circ (5\pi/4)$

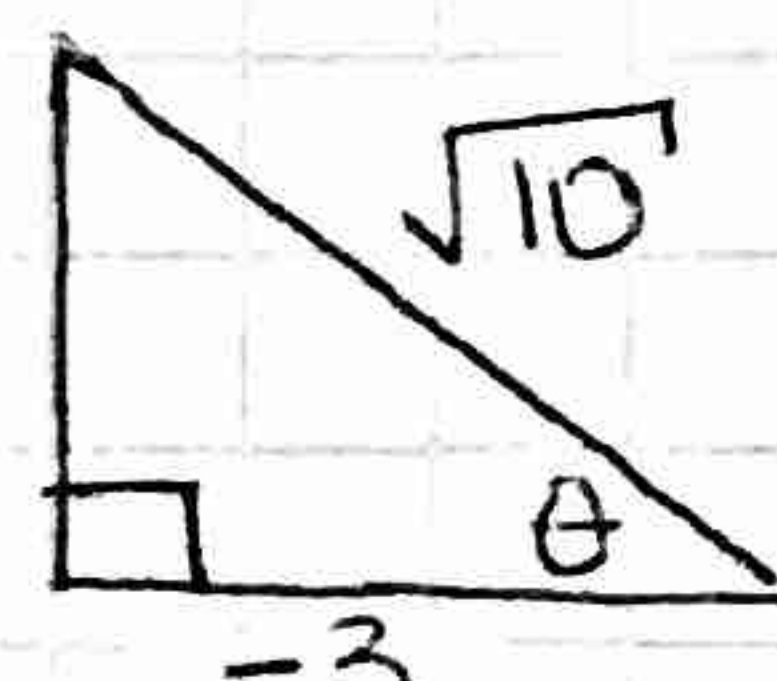
49. $\sin 225^\circ = -\sqrt{2}/2$
 $\cos 225^\circ = -\sqrt{2}/2$
 $\tan 225^\circ = 1$

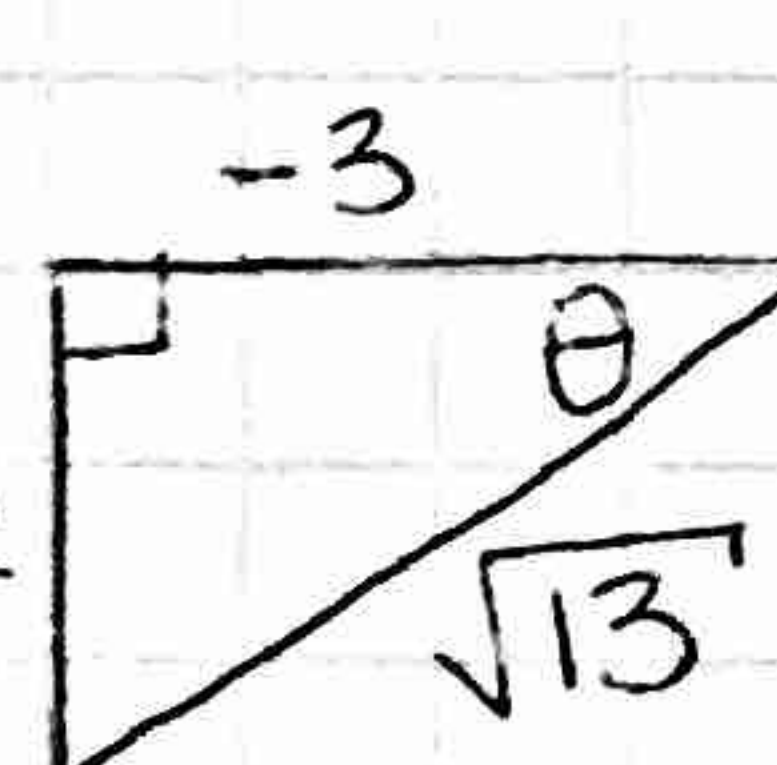
50. $\sin 300^\circ = -\sqrt{3}/2$
 $\cos 300^\circ = 1/2$
 $\tan 300^\circ = -\sqrt{3}$

55. $\sin 2\pi/3 = \sqrt{3}/2$
 $\cos 2\pi/3 = -1/2$
 $\tan 2\pi/3 = -\sqrt{3}$

56. $\sin 3\pi/4 = \sqrt{2}/2$
 $\cos 3\pi/4 = -\sqrt{2}/2$
 $\tan 3\pi/4 = -1$

65.  $\cos \theta = 5/\sqrt{34}$

66.  $\sin \theta = 1/\sqrt{10}$

67.  $\sec \theta = \frac{\sqrt{13}}{-3}$