Day 11 HW

Thursday, January 8, 2015 9:44 AM • p. 385: 9-12, 14, 17, 18, 28-32, 35, 36, 57-62

 $9 - 45^{\circ}$ or $-\frac{\pi}{4}$ $10 - 60^{\circ}$ or $-\frac{\pi}{3}$ $11 - 90^{\circ}$ or $\frac{\pi}{2}$ $12 - 90^{\circ}$ or $\frac{\pi}{2}$

(4) 42.07° (7) 1.17 rad (8) 1.53 rad (28) - 12 (29) 30° or 16

30 0° or 0 rad 31 ½ 82 - 45° or -# 5) false 58 true 59 e

60 c 60 c 62 e

SOLUTIONS

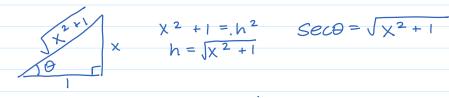
$$9 \sin^{-1}\left(-\frac{\sqrt{2}}{2}\right) = -45^{\circ}$$
 $28 \sin\left(-\frac{17}{4}\right) = -\frac{\sqrt{2}}{2}$ $29 \sin^{-1}\left(\frac{1}{2}\right) = 30^{\circ}$

$$28 \sin(-\frac{11}{4}) = -\frac{\sqrt{2}}{2}$$

$$(29) \sin^{-1}(\frac{1}{2}) = 30^{\circ}$$

(30)
$$arccos(1) = 0$$
 (31) $cos(60^{\circ}) = \frac{1}{2}$ (32) $tan^{-1}(-1) = -45^{\circ}$

(31)
$$\cos(60^\circ) = \frac{1}{2}$$



$$\chi^{2} + 1 = h^{2}$$

 $h = \sqrt{\chi^{2} + 1}$

$$Sec\theta = \sqrt{\chi^2 + 1}$$