

Trig: Dilsaver
2012

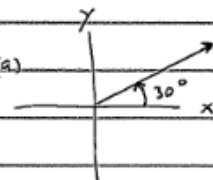
1. Recall 1 radian $\approx 57.3^\circ$
 ≈ 2 radians
2. ≈ 5 radians
3. ≈ -3 radians.
4. ≈ -4 radians.
5. ≈ 1 radian
6. ≈ 7 radians.

A1 Read p 126-132
p. 133 1-6, 9-12, 21-24,
25-28, 38, 39, 49-54,
59, 60

- Quadrant numbers:
- | | |
|-----|----|
| II | I |
| III | IV |
- 9 (a) IV (b) III
 10. (a) IV (b) II
 11. (a) III (b) II
 - 12 (a) IV (b) II

38. (a) $\frac{-7\pi + 150^\circ}{12\pi}$ (b.) 20°
 $= -105^\circ$
39. (a.) 420° (b.) -66°
49. $\approx 240^\circ$
50. $\approx 120^\circ$
51. $\approx -60^\circ$
52. $\approx -315^\circ$
53. $\approx 150^\circ$
54. $\approx 20^\circ$

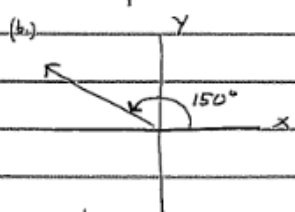
(21) (a) $\frac{\pi}{3} + C = \frac{\pi}{2}$ (b.) no comp, $\frac{\pi}{4}$
 $\frac{-\pi}{3}$ $\frac{-\pi}{3}$
 $C = \frac{\pi}{6}$
 $S = \frac{2\pi}{3}$



(22) (a) $\frac{5\pi}{12}, \frac{7\pi}{12}$ (b) no comp, $\frac{\pi}{12}$

(23) (a) $\frac{\pi}{2} - 1, \pi - 1$ (b) no comp, $\pi - 2$

(24) (a) no comp, $\pi - 3$ (b.) $\frac{\pi}{2} - 1.5, \pi - 1.5$



(25) (a.) $\frac{30^\circ}{180^\circ} \pi = \frac{\pi}{6}$ (b.) $\frac{5\pi}{6}$

(26) (a.) $\frac{2\pi}{4}$ (b.) $\frac{2\pi}{3}$

(27) (a.) $-\frac{\pi}{9}$ (b.) $-\frac{4\pi}{3}$

(28) (a.) $-\frac{3\pi}{2}$ (b.) $\frac{4\pi}{5}$

