

# COLLEGE ALGEBRA ANSWERS

## PS84

2] a)  $\frac{16}{49}$  b)  $\frac{2}{7}$

4]  $\frac{k}{p+m} \frac{\text{yards}}{\text{minute}}$

6] 4 days      8]

10] PROOF

12] PROOF

14] 4.148

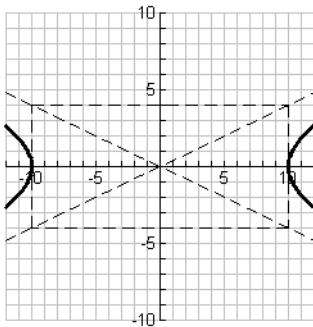
16] 16.335 cm

18]  $\sqrt{3} + i, -1 + \sqrt{3}i, -\sqrt{3} - i, 1 - \sqrt{3}i$

20]  $V : (\pm 10, 0), A : y = \pm \frac{2}{5}x$

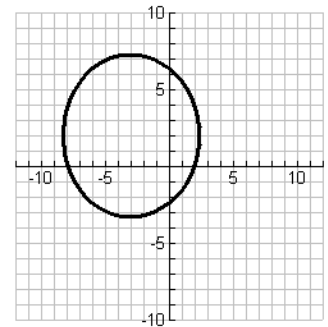
22]  $r = 9.708 \text{ cm}, A = 276.992 \text{ cm}^2$

24]  $C : (-3, 2), r = 2\sqrt{7}$



26] no solution

28]  $\frac{\sqrt{10}}{10}$



30] 24.196%

## PS85

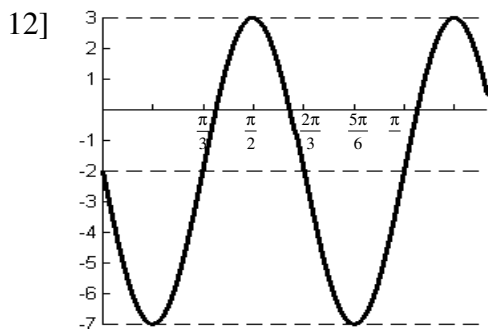
2]  $49 \frac{1}{11}$  minutes

4]  $\frac{4}{7}$

6] 120 ways

8] 4, 6, 8

10]  $\theta = 120^\circ, 180^\circ, 240^\circ$



14] PROOF

16] PROOF

18] 28.05

20]  $p = 16.298 \text{ cm}, 25.712 \text{ cm}^2$

22]  $1 + \sqrt{3}i + i, -\sqrt{3} + i, -1 - \sqrt{3}i, \sqrt{3} - i$

24]  $\left(\frac{16}{7}, \frac{20}{7}\right)$

26]

28] 0, 0, -2, 3.6, 1.897

30]  $5.331 \text{ cm}^2$

