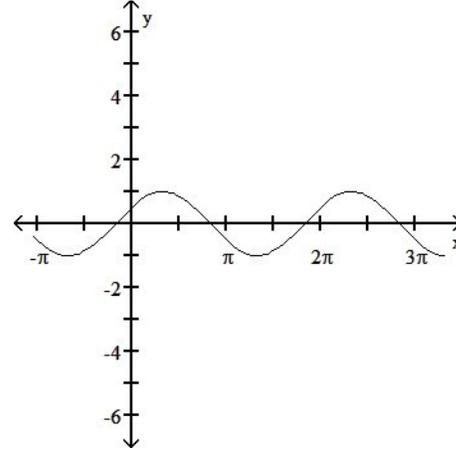


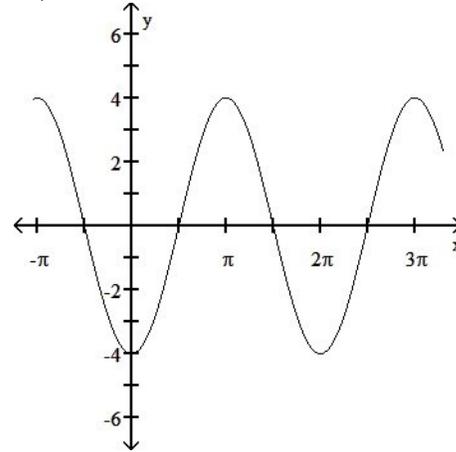
Chapter 6 Spiral Review Solutions

- 1) 69.39°
- 2) $133^\circ 47' 24''$
- 3) 22.2 in.
- 4) 18 radians
 $\frac{29\pi}{60}$
- 5) 160°
- 6) 57.3°
- 8) 294 in^2
- 9) 0.11 radians
- 10) 1954.77 ft^2
 $\frac{1}{6}$
- 11) $\frac{1}{6}$ cm/sec
 $\frac{\sqrt{65}}{9}$
- 12) $\frac{\sqrt{77}}{9}$
- 13) -
- 14) 0
- 15) 1
- 16) undefined
 $\frac{\sqrt{2}}{2}$
- 17) $\frac{2\sqrt{3}}{3}$
- 18) $-\sqrt{2}$
- 19) $\frac{\sqrt{2} + 2}{2}$
- 20) 1.04
 $\frac{12}{13}$
- 22) -
- 23) III
- 24) III
- 25) 1
 $\frac{\sqrt{77}}{2}$
- 26) -

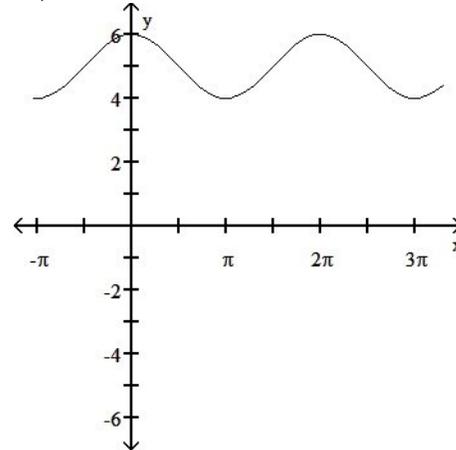
27)



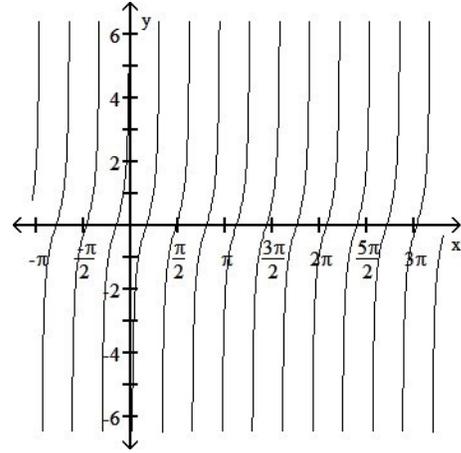
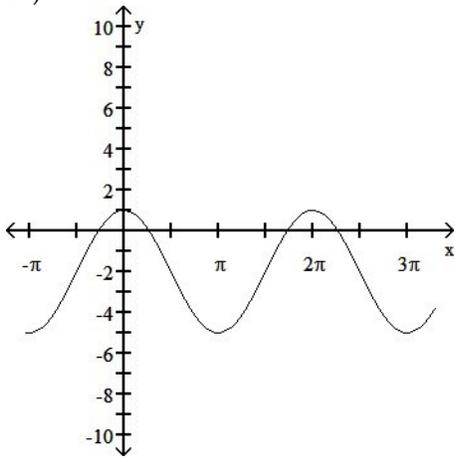
28)



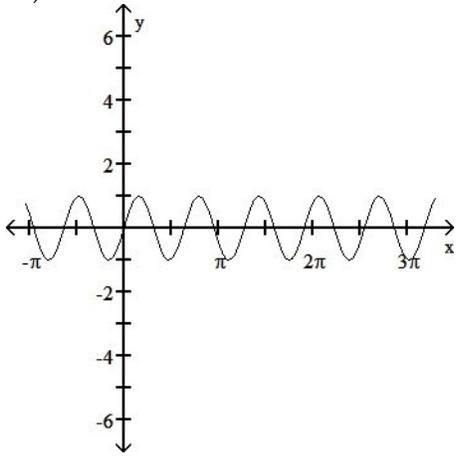
29)



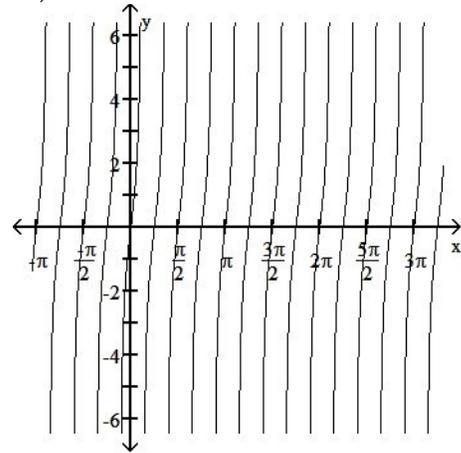
30)



31)



38)



32) 2

33) 6π

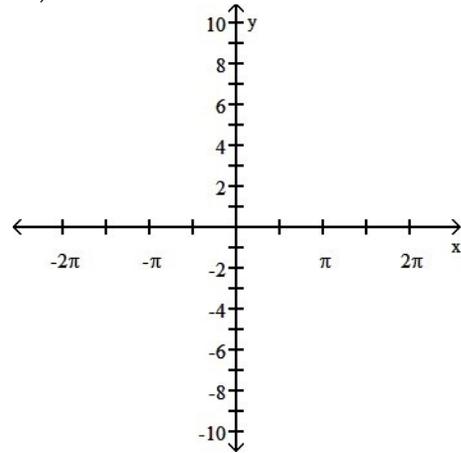
34) $y = 5 \sin\left(\frac{2}{3}\pi x\right)$

35) $y = 3 \sin\left(\frac{1}{2}x\right)$

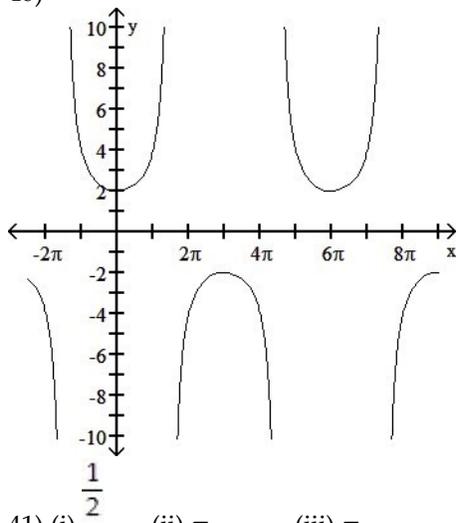
36) $y = 5 \cos\left(\frac{\pi}{2}x\right)$

37)

39)



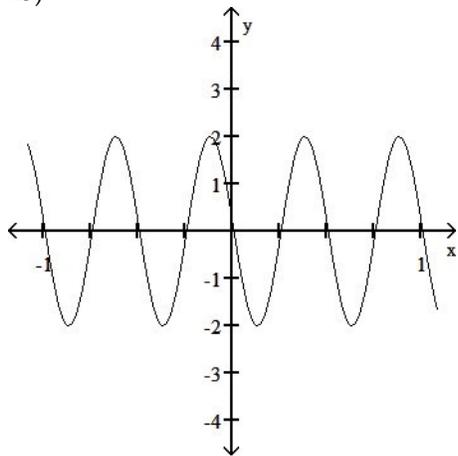
40)



41) (i) $\frac{1}{2}$ (ii) π (iii) π

42) $y = 4 \sin\left(\frac{2}{3}x + \frac{2}{9}\pi\right)$

43)



44)

