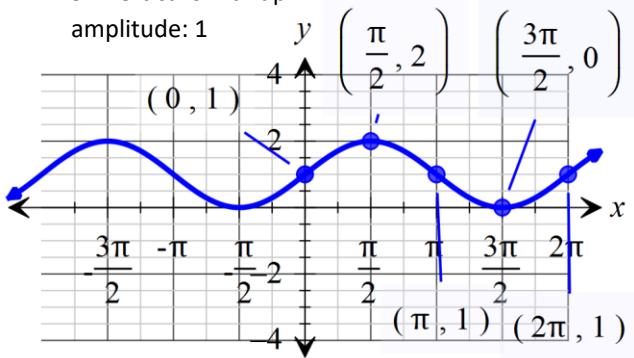
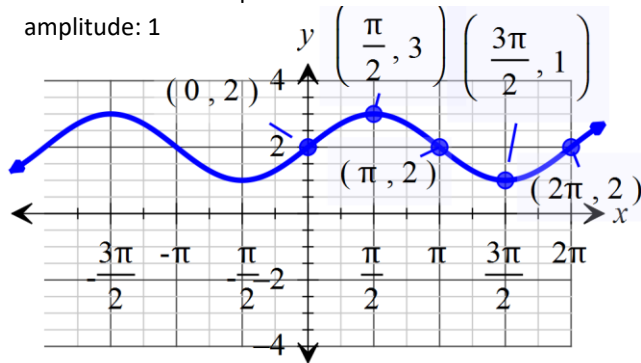


SM3 10.1 odd answers

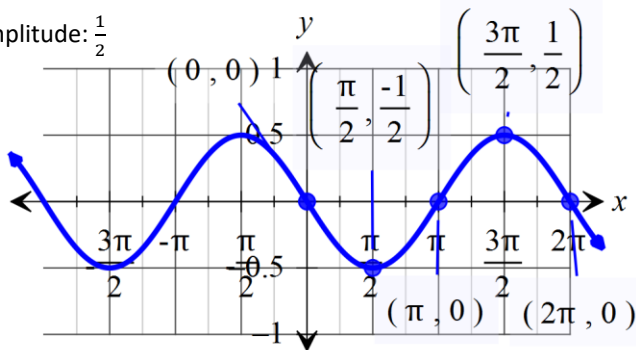
- 1. amplitude: 6
- Vertical shift: up 3
- 3. amplitude: 1
- Vertical shift: down 2
- 5. amplitude: $\frac{1}{4}$
- Vertical shift: down $\frac{3}{5}$
- 7. amplitude: 2
- Vertical shift: up 3
- 9. Vertical shift: up 1
- amplitude: 1



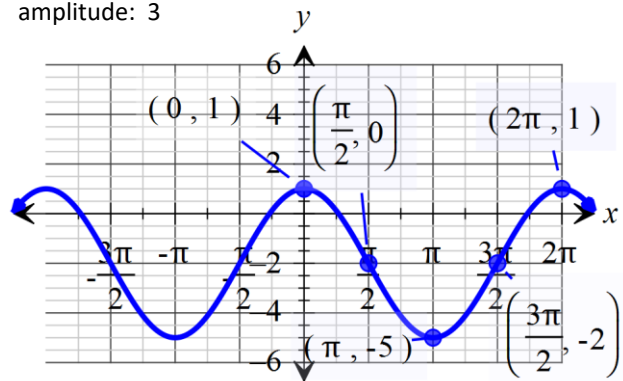
- 11. Vertical shift: up 2
- amplitude: 1



- 13. Vertical shift: 0
- amplitude: $\frac{1}{2}$



- 15. Vertical shift: down 2
- amplitude: 3



- 17. $f(x) = 3 \sin x + 7$
- 19. $f(x) = 5 \sin x + \frac{5}{6}$