

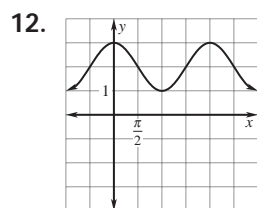
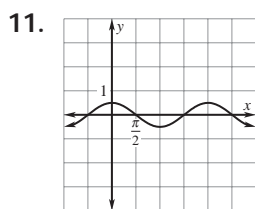
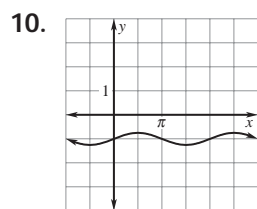
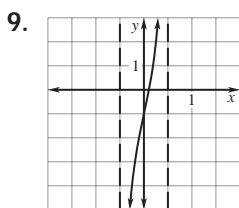
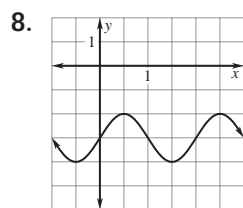
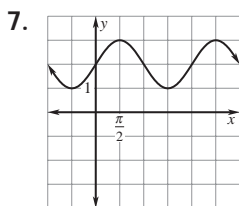
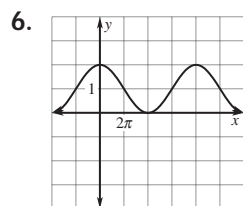
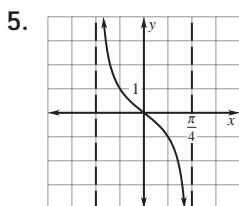
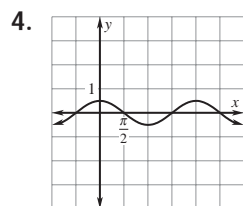
Answer Key

Practice B

1. reflect in x -axis, shift left $\frac{\pi}{4}$ units

2. shift left $\frac{\pi}{2}$ units, shift up 2 units

3. shift right π units, shift down 2 units



13. $y = 8 - 3 \tan 2x$

14. $y = -5 + \frac{1}{2} \cos 6\left(x - \frac{\pi}{6}\right)$

15. $y = -6 \sin \frac{1}{2}(x + \pi)$

16. Minimum of 1 at $x = 0, \pi$

Maximum of 5 at $x = \frac{\pi}{2}, \frac{3\pi}{2}$

17. $y = -3 - \sin \frac{1}{3}x$