

Precalculus 4.6 Homework Odd Answers

1. 2

3. $-\sqrt{2}$

5. undefined

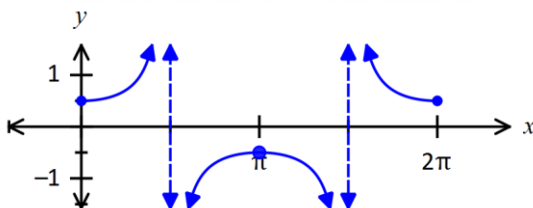
7. -1

9. period: 2π

asymptotes: $x = \frac{\pi}{2} + \pi k$

range: $(-\infty, -1/2] \cup [1/2, \infty)$

points: $(0, \frac{1}{2}), (\pi, -\frac{1}{2}), (2\pi, \frac{1}{2})$

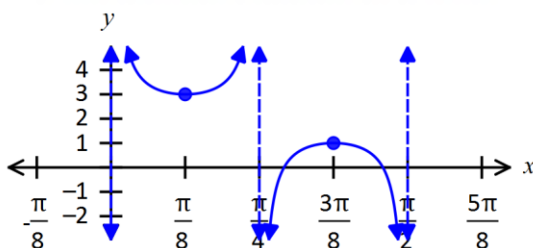


11. period: $\frac{\pi}{2}$

asymptotes: $x = \frac{\pi}{4} k$

range: $(-\infty, 1] \cup [3, \infty)$

points: $(\frac{\pi}{8}, 3), (\frac{3\pi}{8}, 1)$



13. $y = -3\sec\left(x + \frac{\pi}{4}\right)$ or $y = 3\sec\left(x - \frac{3\pi}{4}\right)$

15. $-\sqrt{3}$

17. 0

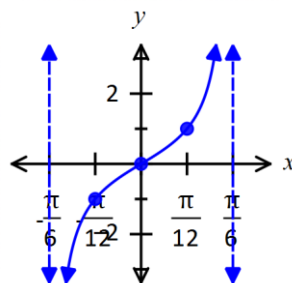
19. -1

21. undefined

23. period: $\frac{\pi}{3}$

asymptotes: $x = \frac{\pi}{6} + \frac{\pi}{3} k$

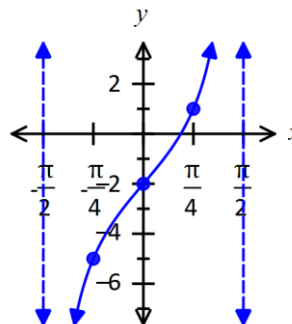
points: $(-\frac{\pi}{12}, -1), (0, 0), (\frac{\pi}{12}, 1)$



25. period: π

asymptotes: $x = \frac{\pi}{2} + k\pi$

points: $(-\frac{\pi}{4}, -5), (0, -2), (\frac{\pi}{4}, 1)$



27. $y = \tan\left(x - \frac{\pi}{2}\right)$, $y = -\cot x$