

Trigonometric Functions Quiz - Answers

Chapter 5 Test ■ page 458

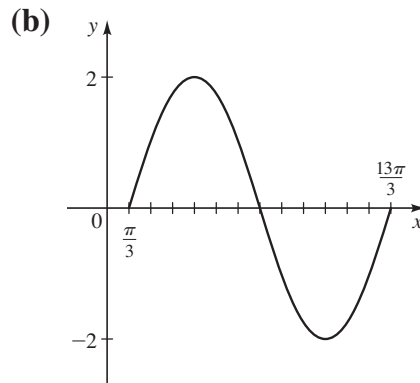
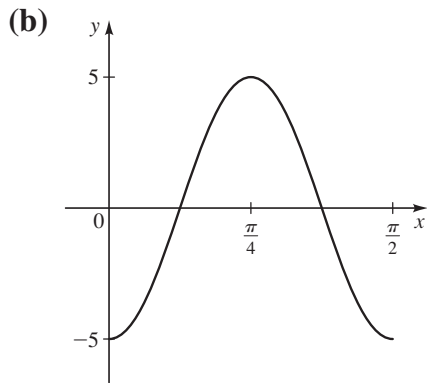
1. $y = -\frac{5}{6}$ 2. (a) $\frac{4}{5}$ (b) $-\frac{3}{5}$ (c) $-\frac{4}{3}$ (d) $-\frac{5}{3}$

3. (a) $-\frac{1}{2}$ (b) $-\sqrt{2}/2$ (c) $\sqrt{3}$ (d) -1

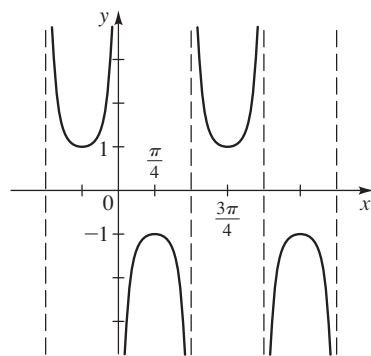
4. $\tan t = -(\sin t)/\sqrt{1 - \sin^2 t}$ 5. $-\frac{2}{15}$

6. (a) $5, \pi/2, 0$

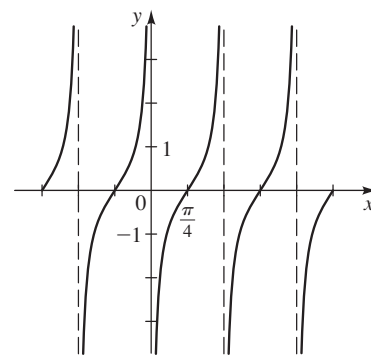
7. (a) $2, 4\pi, \pi/3$



8. π

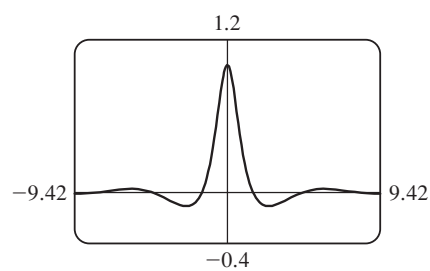


9. $\pi/2$



10. $y = 2 \sin 2(x + \pi/3)$

11. (a)



(b) Even

(c) Minimum value -0.11 when $x \approx \pm 2.54$, maximum value 1 when $x = 0$

12. $y = 5 \sin(4\pi t)$

13. $y = 16e^{-0.1t} \cos 24\pi t$

