6-7

Practice

Graphing Other Trigonometric Functions

Find each value by referring to the graphs of the trigonometric functions.

1. $\tan\left(-\frac{3\pi}{2}\right)$

2. $\cot\left(\frac{3\pi}{2}\right)$

3. $\sec 4\pi$

4. $\csc\left(-\frac{7\pi}{2}\right)$

Find the values of θ for which each equation is true.

5. $\tan\theta = 0$

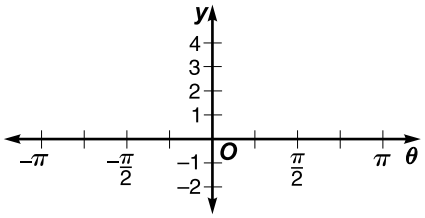
6. $\cot\theta = 0$

7. $\csc\theta = 1$

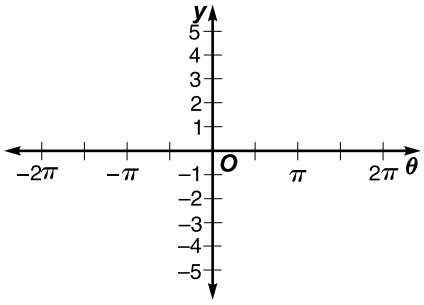
8. $\sec\theta = -1$

Graph each function.

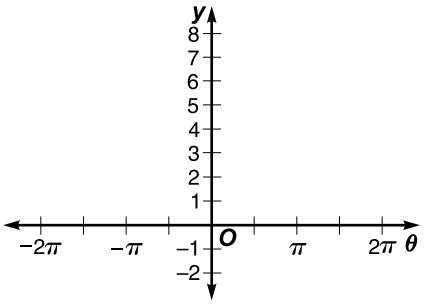
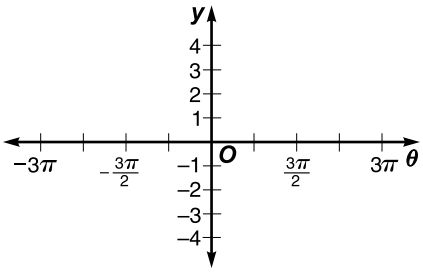
9. $y = \tan(2\theta + \pi) + 1$



10. $y = \cot\left(\frac{\theta}{2} - \frac{\pi}{2}\right) - 2$



11. $y = \csc\theta + 3$



12. $y = \sec\left(\frac{\theta}{3} + \pi\right) - 1$