

Graphing Trig Functions

Using radians, find the period of each function. Then graph.

1) $y = -2 + \sec\left(\theta + \frac{3\pi}{4}\right)$

3) $y = 2 + 3\sin\left(\frac{\theta}{3} - \frac{5\pi}{6}\right)$

5) $y = 3\csc\left(\theta - \frac{\pi}{3}\right)$

7) $y = -2 + \frac{1}{2} \cdot \cos\left(3\theta + \frac{\pi}{3}\right)$

9) $y = 3\sec\frac{\theta}{3} - 2$

11) $y = 2\cos\left(4\theta - \frac{\pi}{6}\right) - 1$

13) $y = 2\tan\left(2\theta + \frac{\pi}{6}\right) + 1$

2) $y = \frac{1}{2} \cdot \tan\left(\frac{\theta}{3} + \frac{7\pi}{6}\right) - 2$

4) $y = 3\cot\left(\theta + \frac{4\pi}{3}\right)$

6) $y = 4\sin\left(3\theta + \frac{3\pi}{2}\right) - 2$

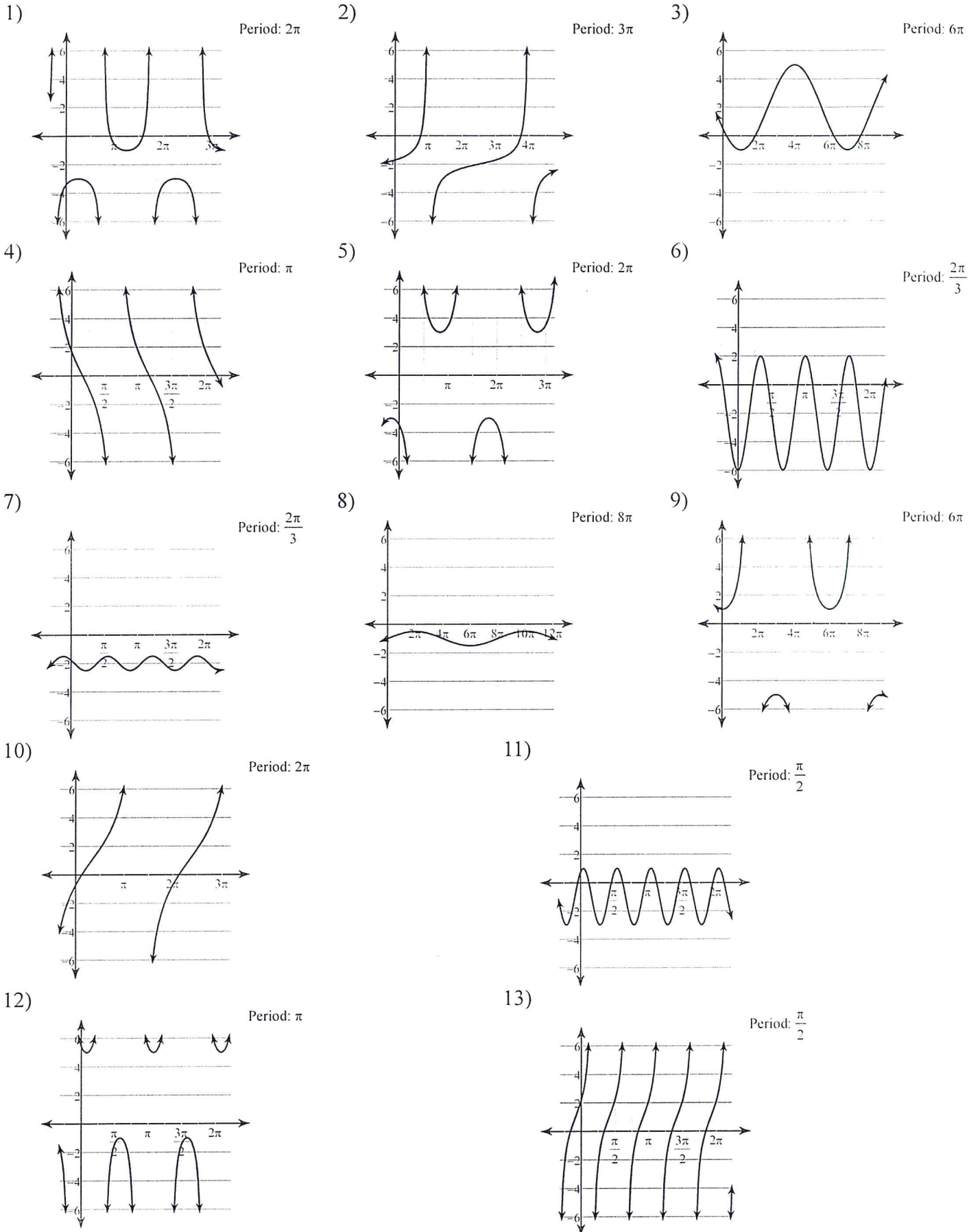
8) $y = -1 + \frac{1}{2} \cdot \cos\left(\frac{\theta}{4} - \frac{\pi}{2}\right)$

10) $y = 1 + 3\tan\left(\frac{\theta}{2} + \frac{5\pi}{6}\right)$

12) $y = 3\csc\left(2\theta + \frac{\pi}{3}\right) + 2$

14) $y = 3\sec\left(\frac{\theta}{2} - \frac{3\pi}{4}\right) + 1$

Answers to Graphing Trig Functions



14)

