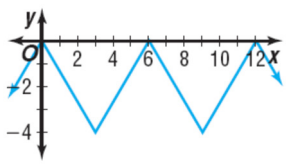
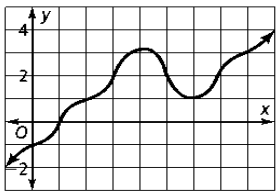
8-3 Graphing (the 3 Basic) Trigonometric Functions Worksheet

Determine if each graph is periodic. If so, state the period.

1. 

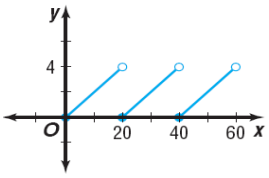
Periodic? Yes No

Period = _____

2. 

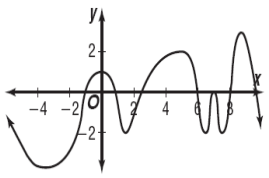
Periodic? Yes No

Period = _____

3. 

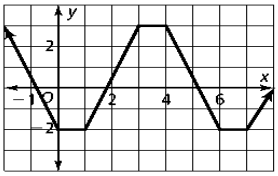
Periodic? Yes No

Period = _____

4. 

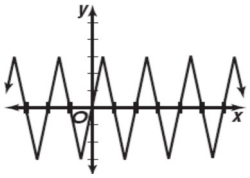
Periodic? Yes No

Period = _____

5. 

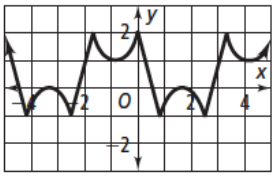
Periodic? Yes No

Period = _____

6. 

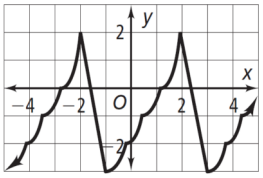
Periodic? Yes No

Period = _____

7. 

Periodic? Yes No

Period = _____

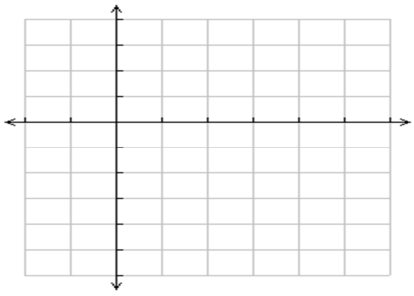
8. 

Periodic? Yes No

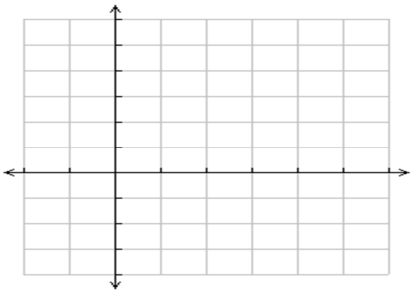
Period = _____

Graph each function by finding the amplitude, period, phase shift, and vertical shift.

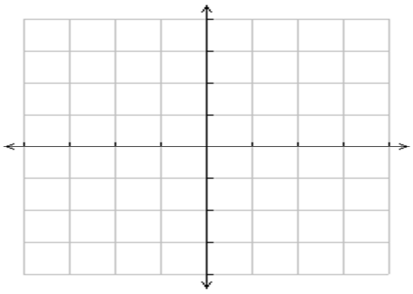
9. $y = 2\cos x - 3$



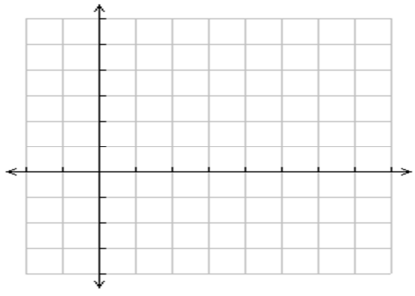
10. $y = \sin(x + \pi) + 4$



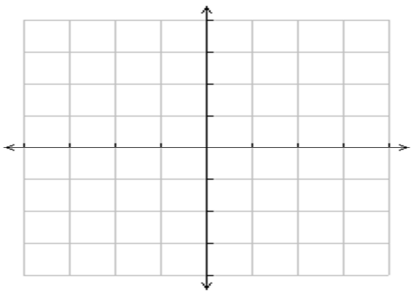
11. $y = \cos x + 1$



12. $y = 3\sin\left(x - \frac{3\pi}{2}\right) - 1$



13. $y = 2\sin\left(x + \frac{\pi}{2}\right) - 2$



14. $y = 4\cos(x - \pi) + 2$