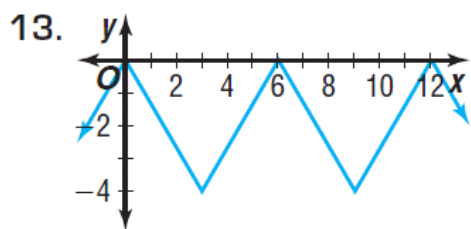
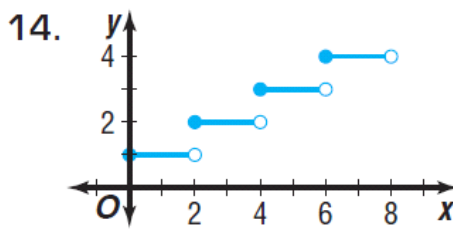


Page 363: 13 - 15 ALL, 19 - 22 ALL, 25 - 32 ALL, SKIP 30, 37 - 39 ALL

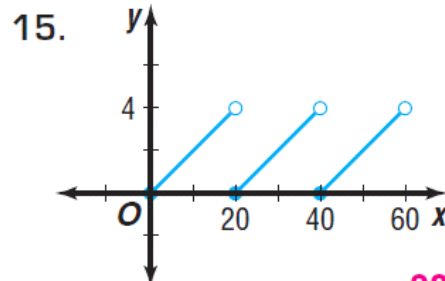
Determine if each function is periodic. If so state the period.



yes; 6



no



yes; 20

Find each value by referring to the graph of the sine or the cosine function.

19. $\cos 8\pi$ **1**

20. $\sin 11\pi$ **0**

21. $\cos \frac{\pi}{2}$ **0**

22. $\sin \left(-\frac{3\pi}{2}\right)$ **1**

25. What is the value of $\sin \pi + \cos \pi$? **-1** 26. Find the value of $\sin 2\pi - \cos 2\pi$. **-1**

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

27. $\cos \theta = -1$ **$\pi + 2\pi n$**

28. $\sin \theta = 1$ **$\frac{\pi}{2} + 2\pi n$**

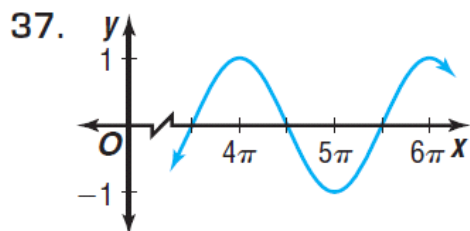
29. $\cos \theta = 0$ **$\frac{\pi}{2} + \pi n$**

Graph each function for the given interval.

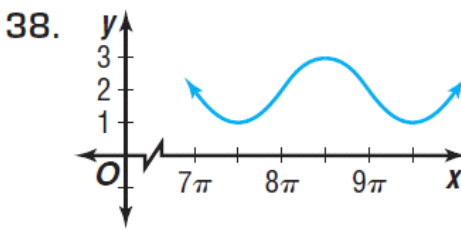
31. $y = \sin x, -5\pi \leq x \leq -3\pi$

32. $y = \cos x, 8\pi \leq x \leq 10\pi$

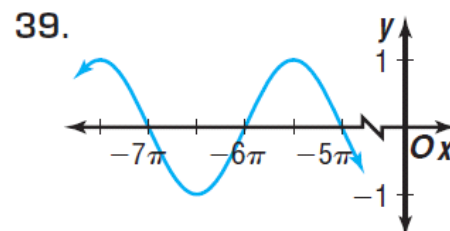
Determine whether each graph is $y = \sin x$, $y = \cos x$, or neither. Explain.



$y = \cos x$



neither



$y = \sin x$