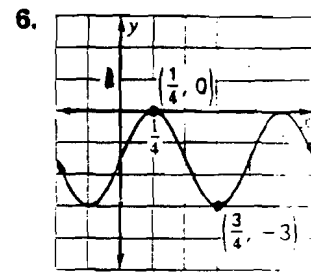
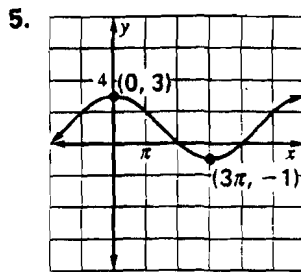
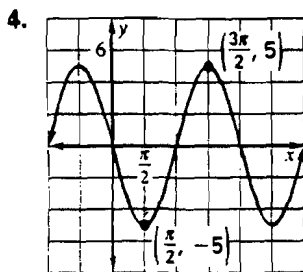
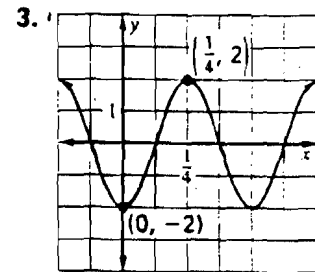
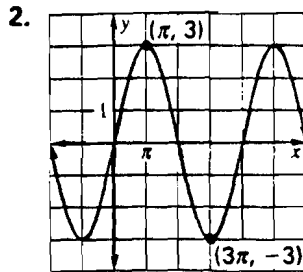
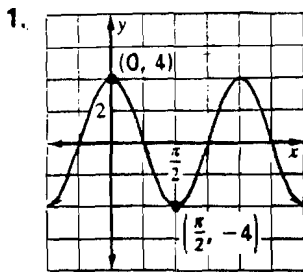


Write a function for the sinusoid. Watch scale



Write a trigonometric function for the sinusoid with the given maximum and minimum points.

7. maximum $(0, \frac{1}{2})$
minimum $(\pi, \frac{-1}{2})$

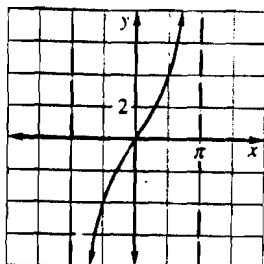
8. maximum $(\frac{\pi}{4}, 5)$
minimum $(\frac{3\pi}{4}, -5)$

9. maximum $(0, 3)$
minimum $(2\pi, -3)$

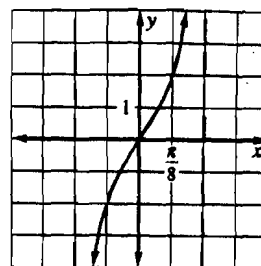
10. Write the equation for a sine function with range $-3 \leq y \leq 5$, period 6π , and horizontal shift $\frac{-\pi}{2}$.

Write the equation for each tangent function graphed.

11.



12.



Graph one period of each function.

13. $y = \csc \frac{2}{3}x$

14. $y = 2 \cos 2 \left(x + \frac{\pi}{2} \right) - 3$

15. $y = -3 \cot x + 1$