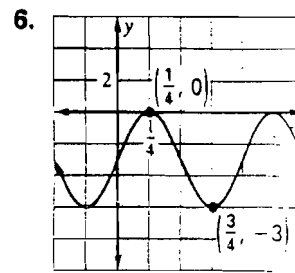
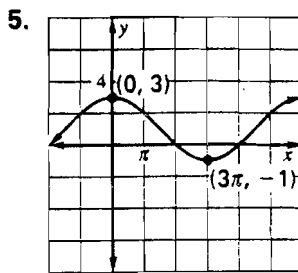
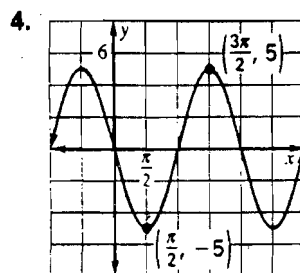
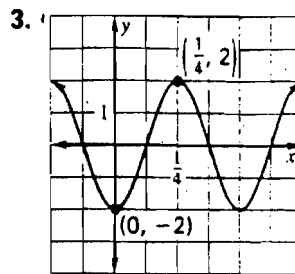
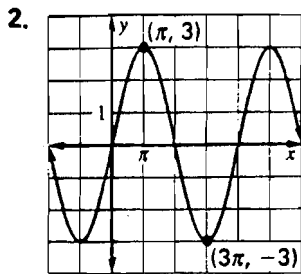
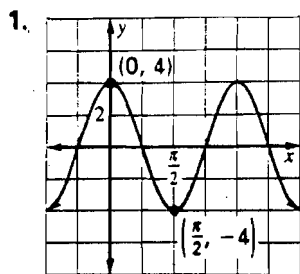


Write a function for the sinusoid. (Watch x, y scales!)



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

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

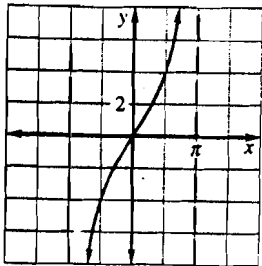
8. maximum  $(\frac{\pi}{4}, 5)$   
minimum  $(\frac{3\pi}{4}, -5)$

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

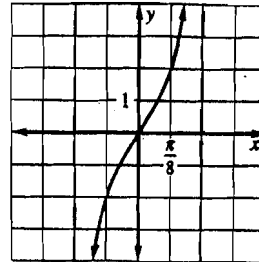
10. Write the equation for a sine function with range  $-3 \leq y \leq 5$ , period  $6\pi$ , and horizontal shift  $\left(\frac{\pi}{2}\right)$  *(Note: y & x NOTED)*

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