1. Graph the function.
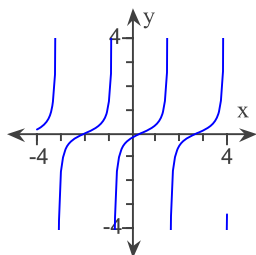
$$y = \frac{2}{3} \tan\left(\frac{2}{3}x - \frac{\pi}{6}\right)$$
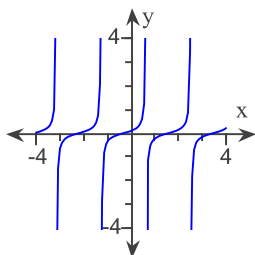
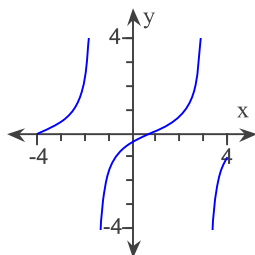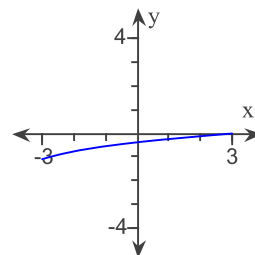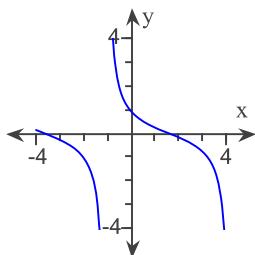○A.   ○B.   ○C.   ○D.

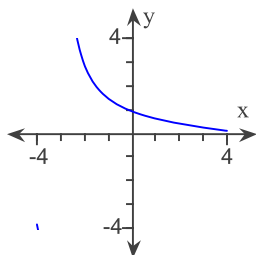2. Graph the function.

$$y = \frac{2}{3} \cot\left(\frac{3}{5}x + \frac{\pi}{5}\right)$$

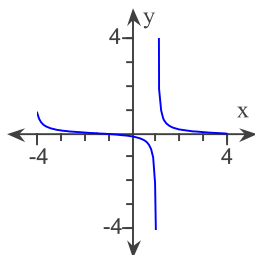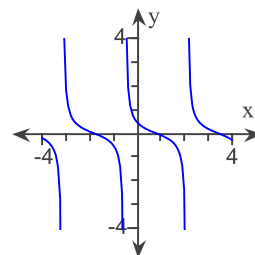○A.   ○B.   ○C.   ○D.
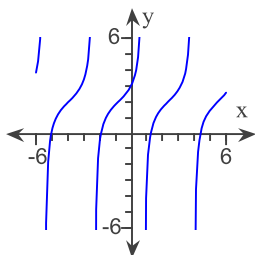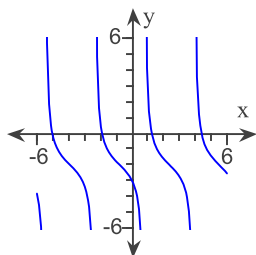

3. Graph the function.

$$y = 2 - \tan\left(x + \frac{\pi}{4}\right)$$
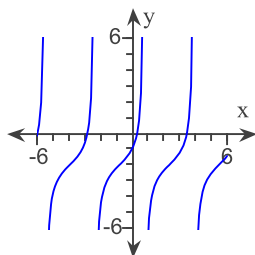
○A.   ○B.   ○C.   ○D.
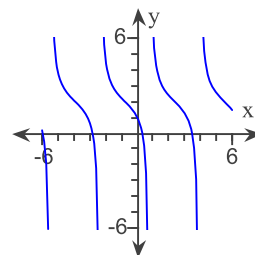
4. Graph the function.

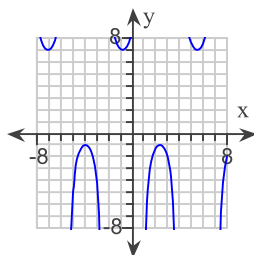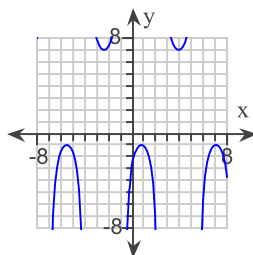$$y = 3 - 4\,\mathbf{sec}\left(x - \frac{\pi}{4}\right)$$

A.
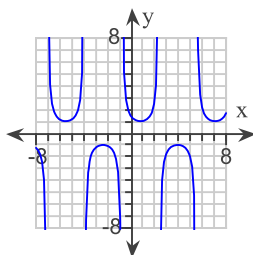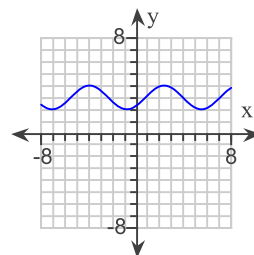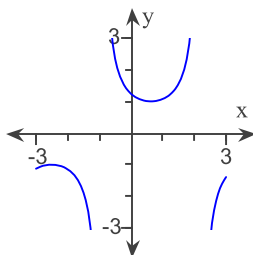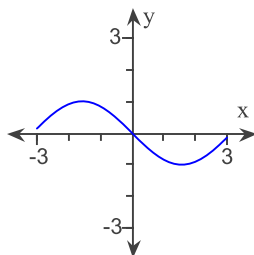
B.

C.

D.

5. Graph the function.

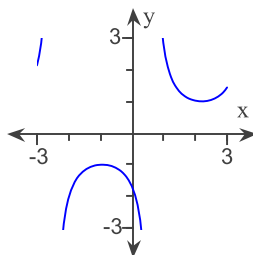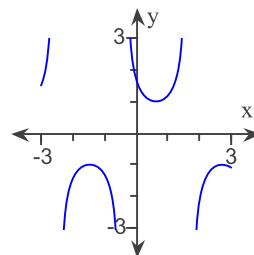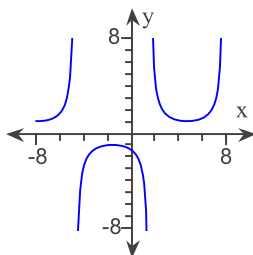$$y = \mathbf{sec}\left(x - \frac{\pi}{5}\right)$$
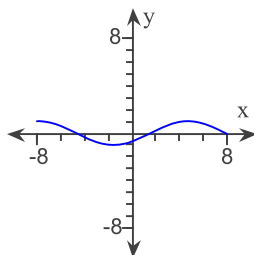
A.

B.

C.

D.

6. Graph the function.
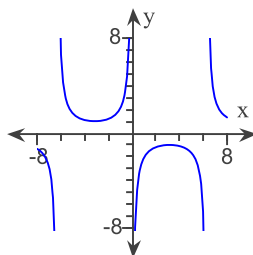
$$y = \mathbf{csc}\left(\frac{1}{2}x - \frac{\pi}{4}\right)$$

A.

B.

C.

D.

7.   Determine the equation of the graph.
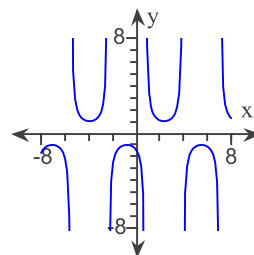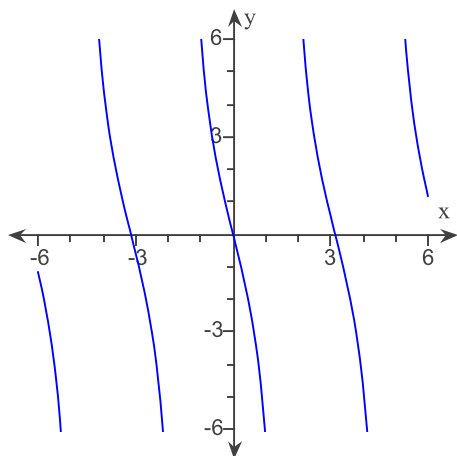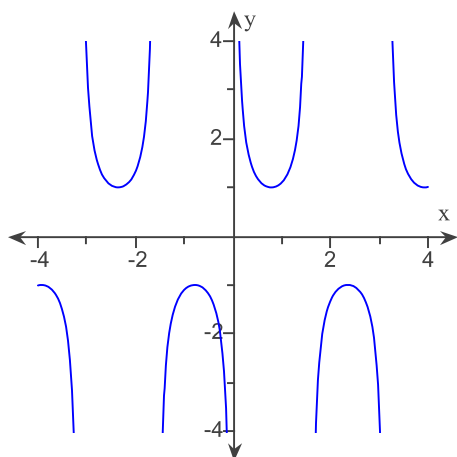

- A. $y = -4 \cot x$
- B. $y = -\cot 4x$
- C. $y = -4 \tan x$
- D. $y = \tan 4x$

8.   Determine the equation of the graph.

- A. $y = 2 \csc x$
- B. $y = \csc 2x$
- C. $y = \sec 2x$
- D. $y = 2 \sec x$