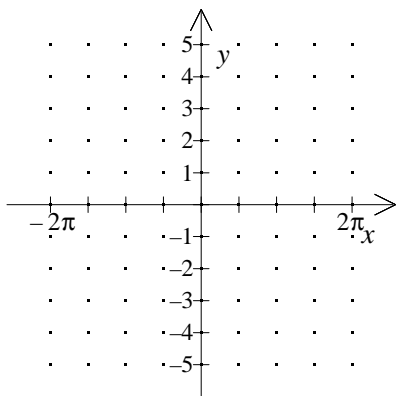


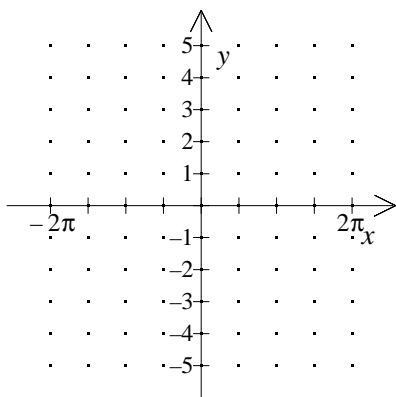
NAME: \_\_\_\_\_

1. Graph:  $y = 2 \tan x$ . Include vertical asymptotes in your sketch.



[1] \_\_\_\_\_

2. Graph:  $y = -\frac{1}{2} \tan x$ . Include vertical asymptotes in your sketch.



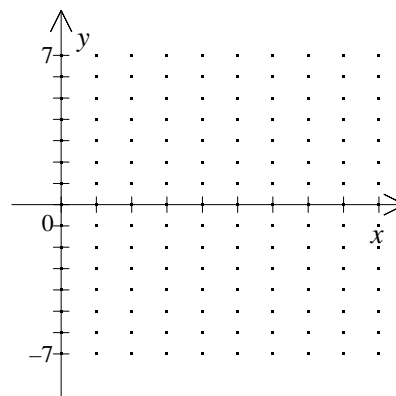
[2] \_\_\_\_\_

3. Graph  $y = 3 \tan \frac{x}{2}$  using a graphing calculator. Find the values of  $x$  from 0 to  $\pi$  for which  $y = 3$ , to the nearest hundredth.

[3] \_\_\_\_\_

4. Plot  $y = \frac{1}{4} \tan \left( \frac{1}{7} \pi x \right)$  on the interval  $0 \leq x$

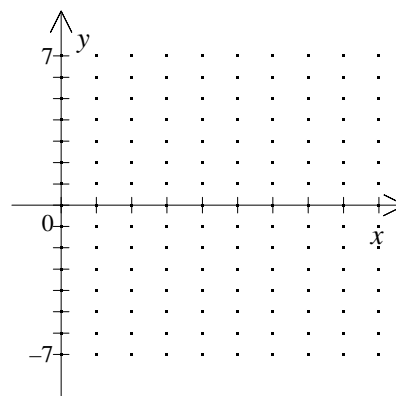
$\leq 2\pi$ . Use  $x$ -axis intervals of  $\frac{\pi}{4}$ .



[4] \_\_\_\_\_

5. Plot  $y = -\frac{1}{3} \tan \left( \frac{1}{3} \pi x \right)$  on the interval  $0 \leq$

$x \leq 2\pi$ . Use  $x$ -axis intervals of  $\frac{\pi}{4}$ .

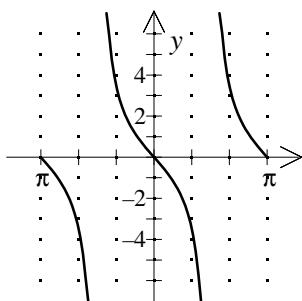


[5] \_\_\_\_\_

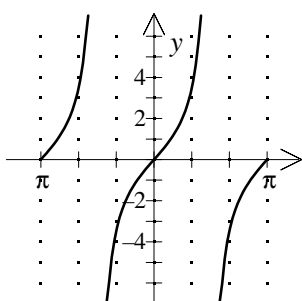
NAME: \_\_\_\_\_

6. Sketch the graph for  $-\pi \leq x \leq \pi$ .  
 $2\tan x$

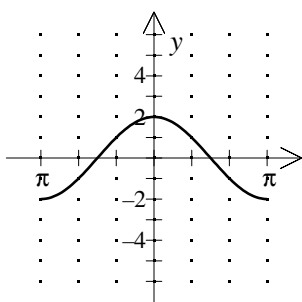
[A]



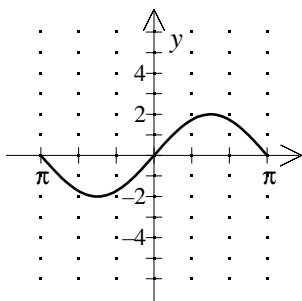
[B]



[C]

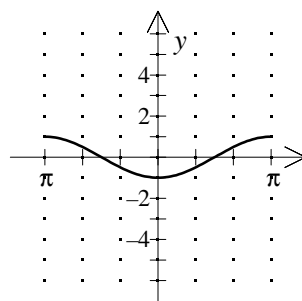


[D]

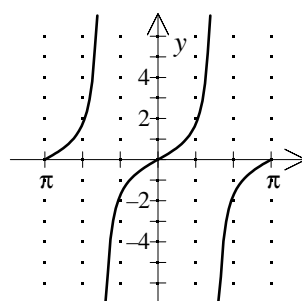


7. Sketch the graph for  $-\pi \leq x \leq \pi$ .  
 $-3\tan x$

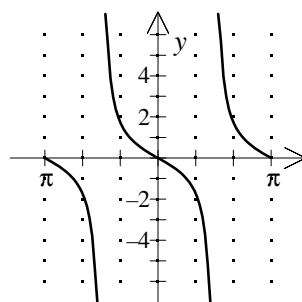
[A]



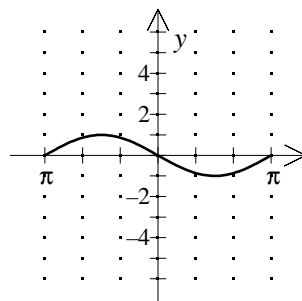
[B]



[C]

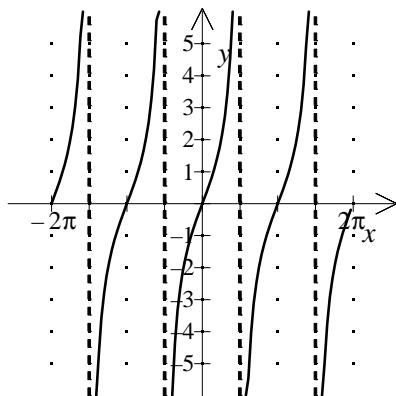


[D]

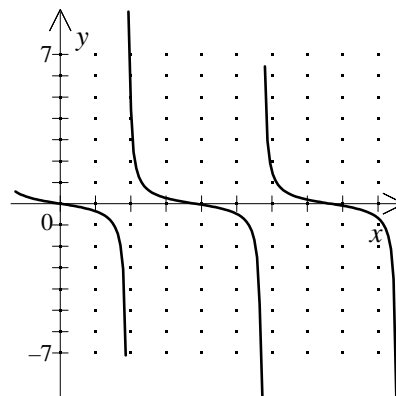


[6] \_\_\_\_\_

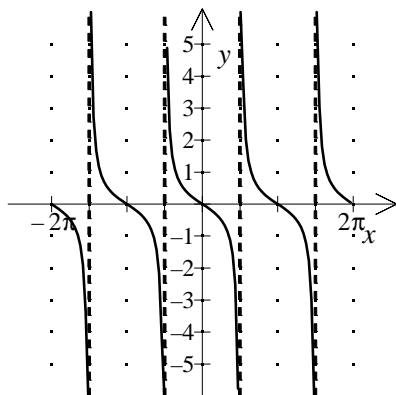
[7] \_\_\_\_\_



[1] \_\_\_\_\_



[5] \_\_\_\_\_

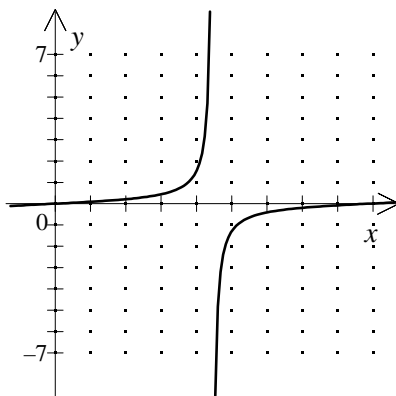


[2] \_\_\_\_\_

[6] B \_\_\_\_\_

[7] C \_\_\_\_\_

[3] 1.57 \_\_\_\_\_



[4] \_\_\_\_\_