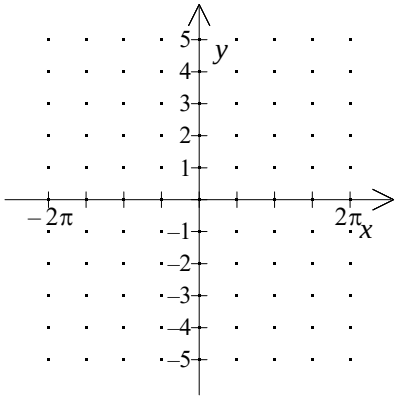
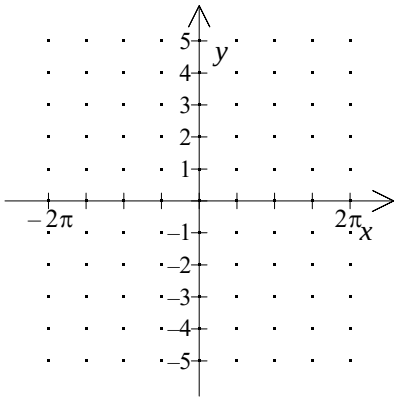
NAME:_____

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



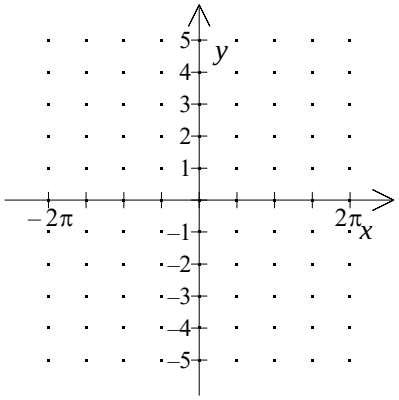
[1] _____

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



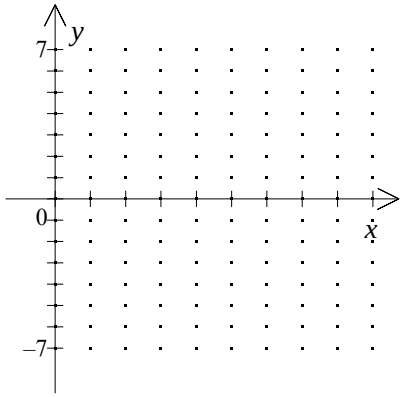
[2] _____

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



[3] _____

4. Plot $y = -\frac{1}{4}\tan\left(\frac{1}{4}\pi x\right)$ on the interval $0 \le x \le 2\pi$. Use x-axis intervals of $\frac{\pi}{4}$.



[4] _____

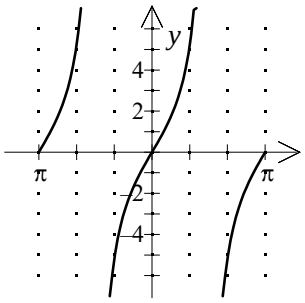
5. Graph $y = 3\tan\frac{x}{2}$ using a graphing calculator. Find the values of x from 0 to π for which $y = 3$, to the nearest hundredth.

[5] _____

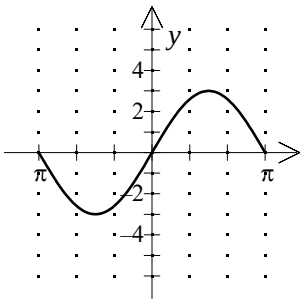
NAME:_____

6. Sketch the graph for $-\pi \le x \le \pi$.
$3\tan x$

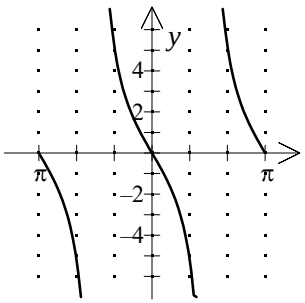
[A]



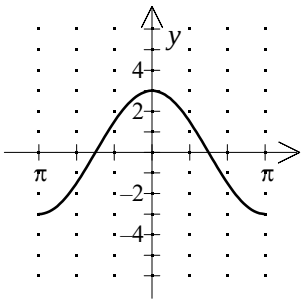
[B]



[C]



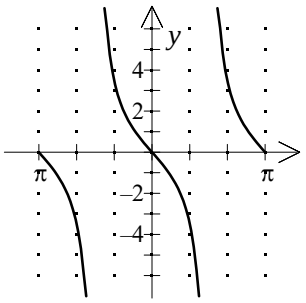
[D]



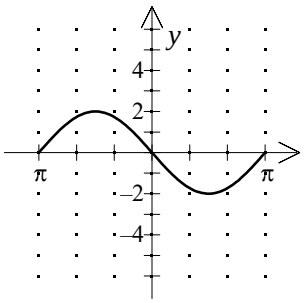
[6] _____

7. Sketch the graph for $-\pi \le x \le \pi$.
$-2\tan x$

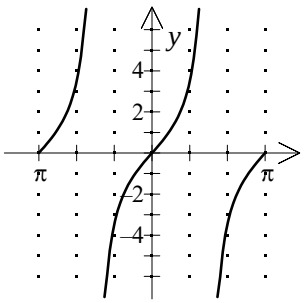
[A]



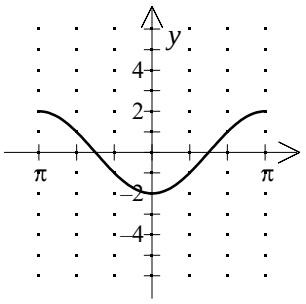
[B]



[C]

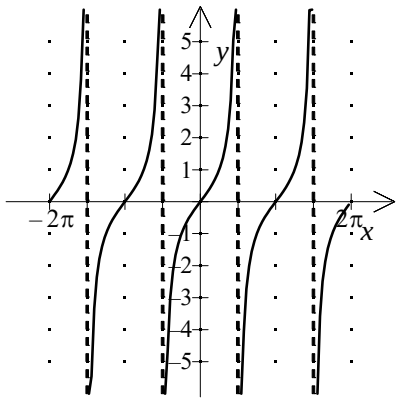


[D]

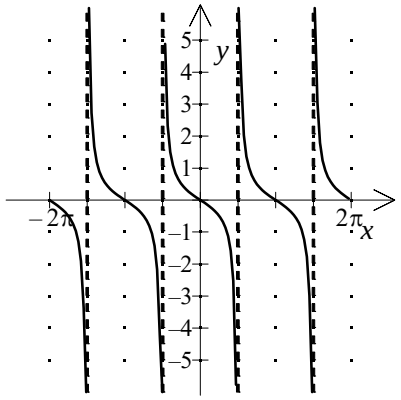


[7] _____

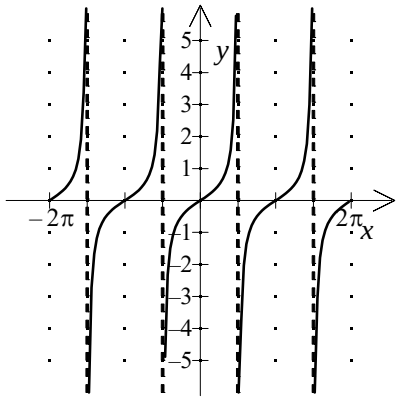
[1]



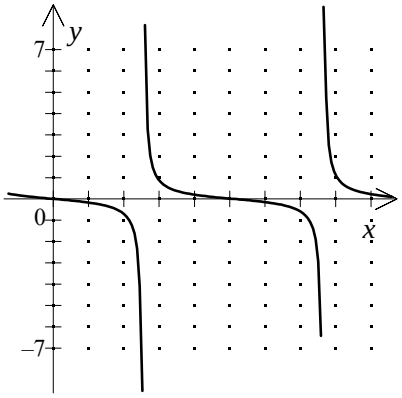
[2]



[3]



[4]



[5] 1.57

[6] A

[7] A