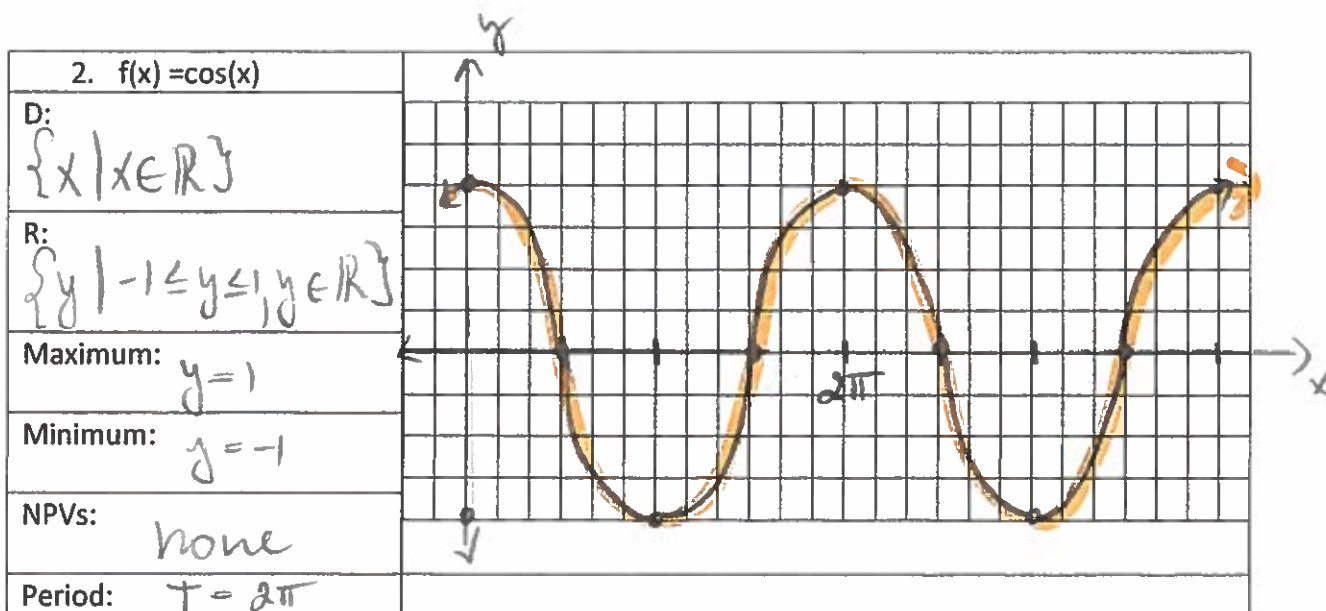
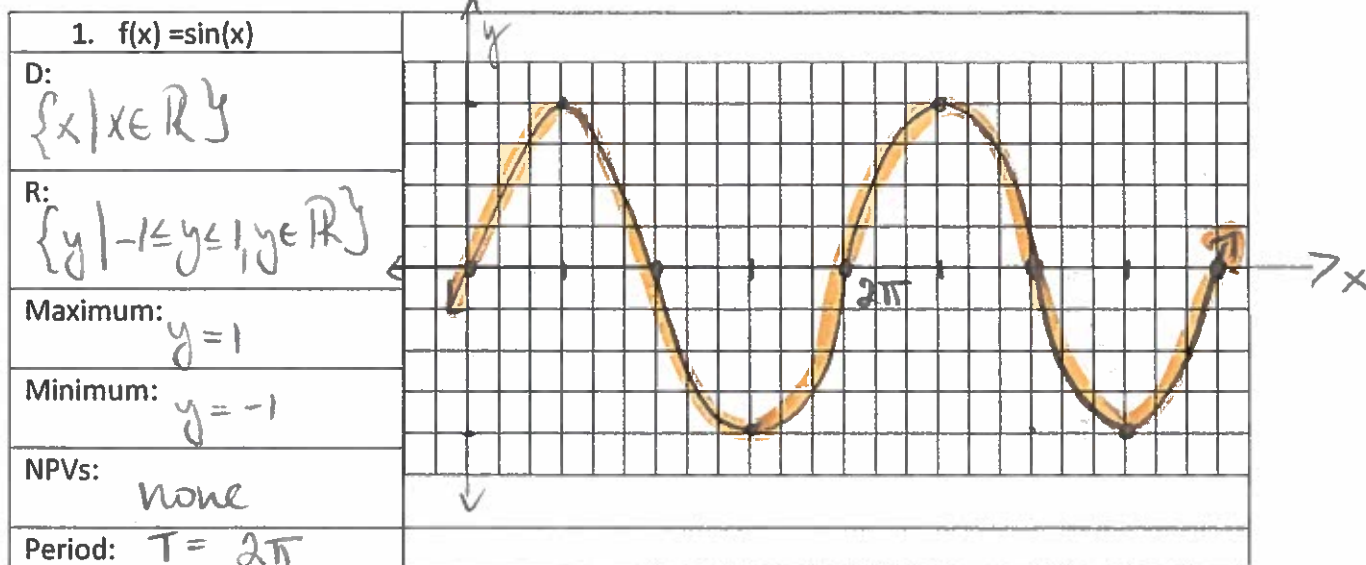
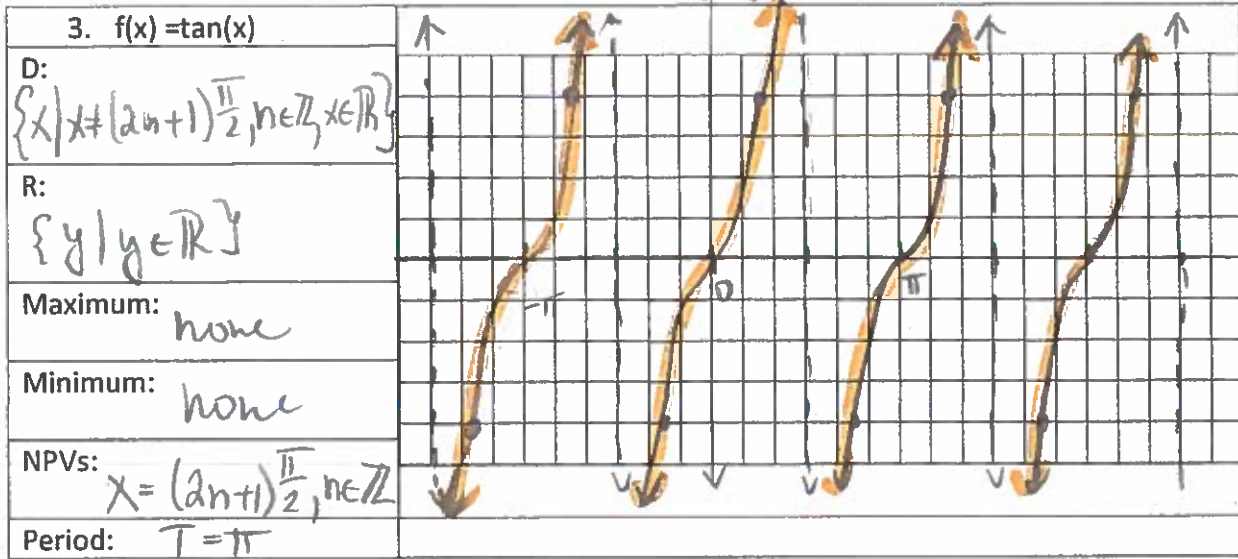


Trigonometric Functions – Review

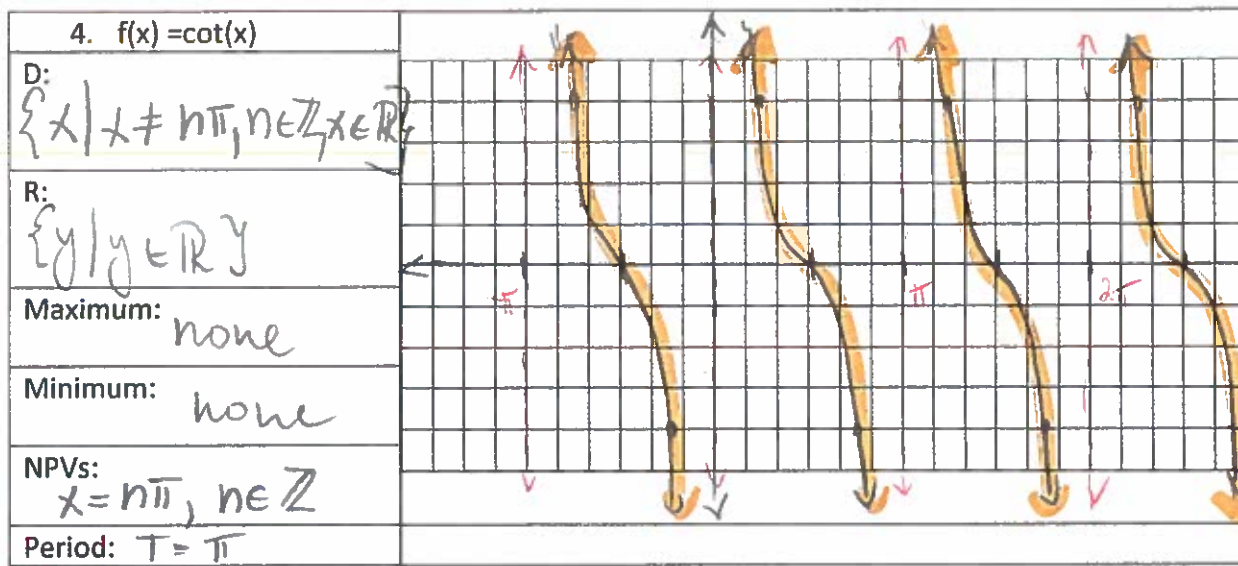
- Graph two cycles of each function.
- State the domain, range, period, maximum, minimum and NPVs if they exist.

Scale: $\frac{\pi}{2} = 1 \text{ unit}$ 

$$\tan \theta = \frac{\sin \theta}{\cos \theta}$$

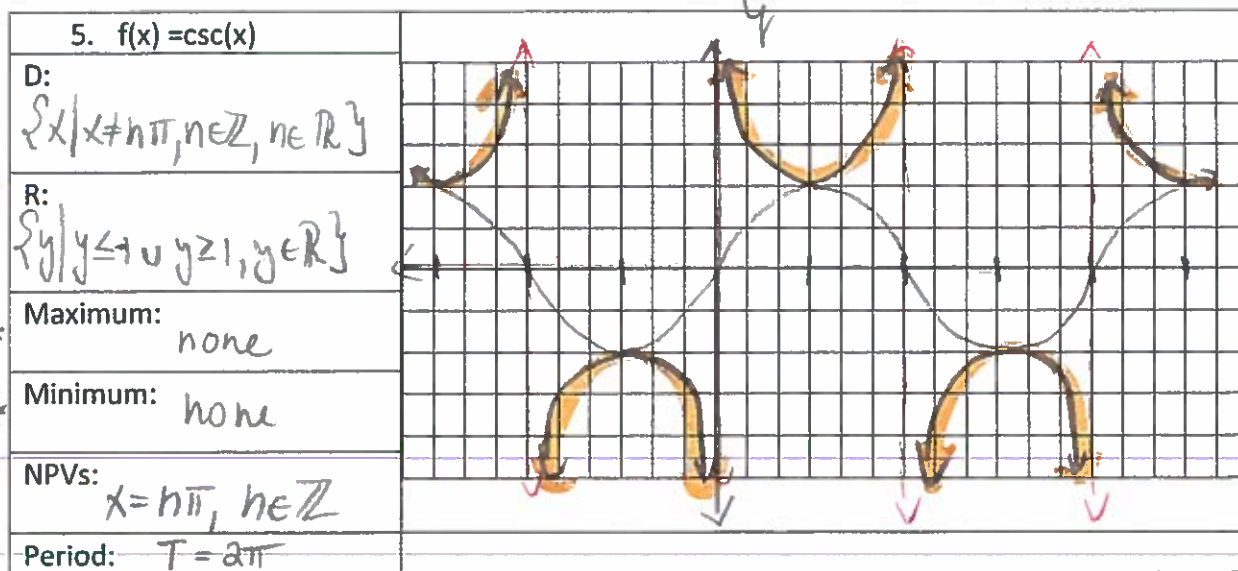


x



$$\cot \theta = \frac{\cos \theta}{\sin \theta}$$

x



Scale:
 $\{ \pm \} = 1$

*
*

Scale: $\left[\begin{matrix} T \\ y=1 \end{matrix} \right]$

6. $f(x) = \sec(x)$	
D: $\{x \mid x \neq (2n+1)\frac{\pi}{2}, n \in \mathbb{Z}, x \in \mathbb{R}\}$	
R: $\{y \mid y \leq -1 \vee y \geq 1, y \in \mathbb{R}\}$	
Maximum: none	
Minimum: none	
NPVs: $x = (2n+1)\frac{\pi}{2}$	
Period: $T = 2\pi$	

