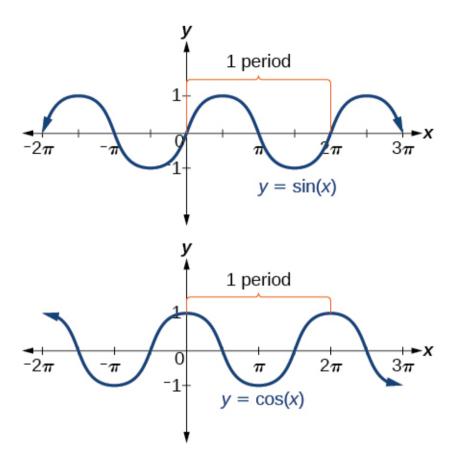
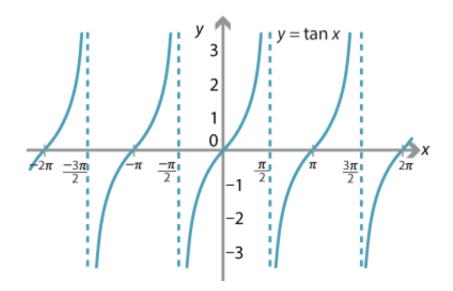
# THEORETICAL PART:



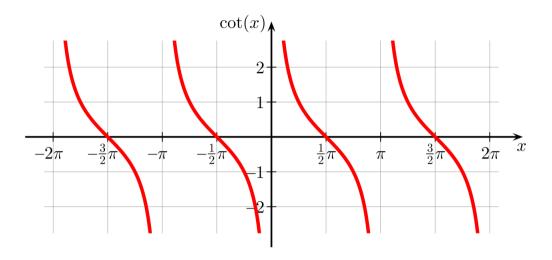
# **Definition (Graphs of Cosine and Sine functions):**



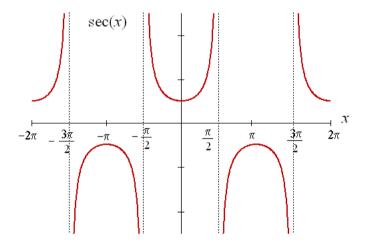
# **Definition (Graph of a Tangent function):**



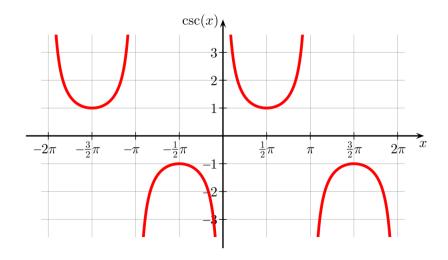
### **Definition (Graph of a Cotangent function):**



#### **Definition (Graph of a Secant function):**

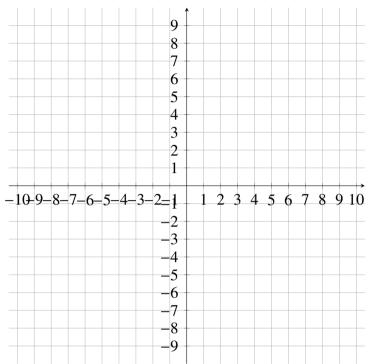


# **Definition (Graph of a Cosecant function):**

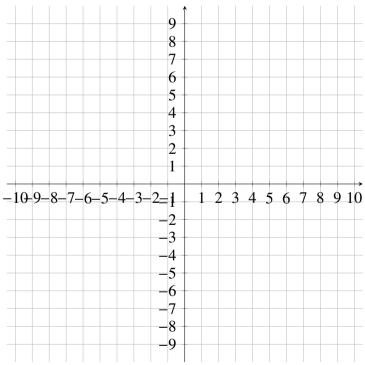


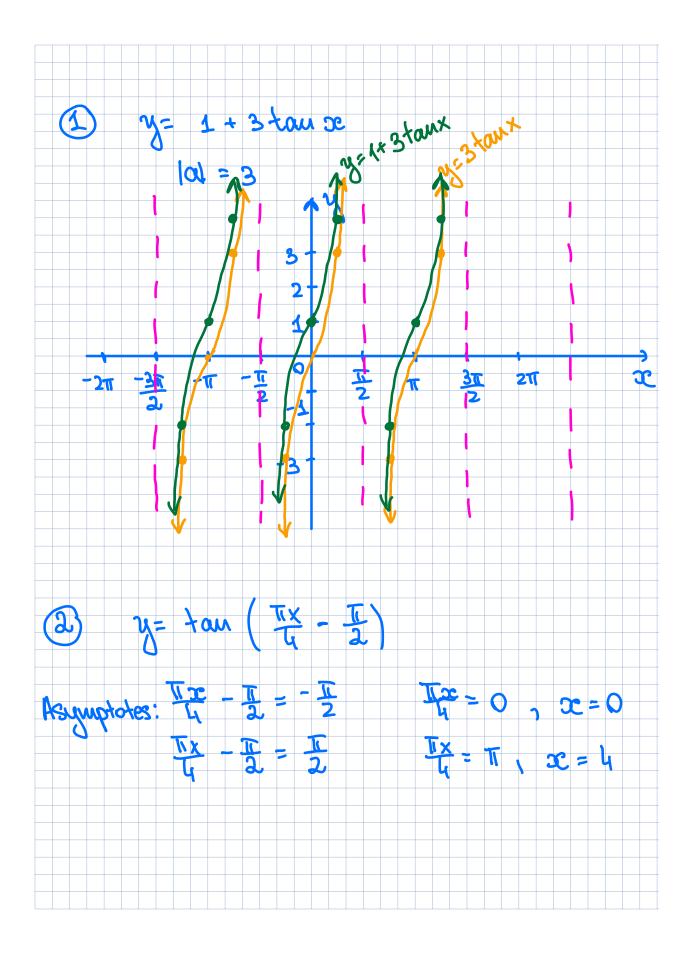
# **PRACTICAL PART:**

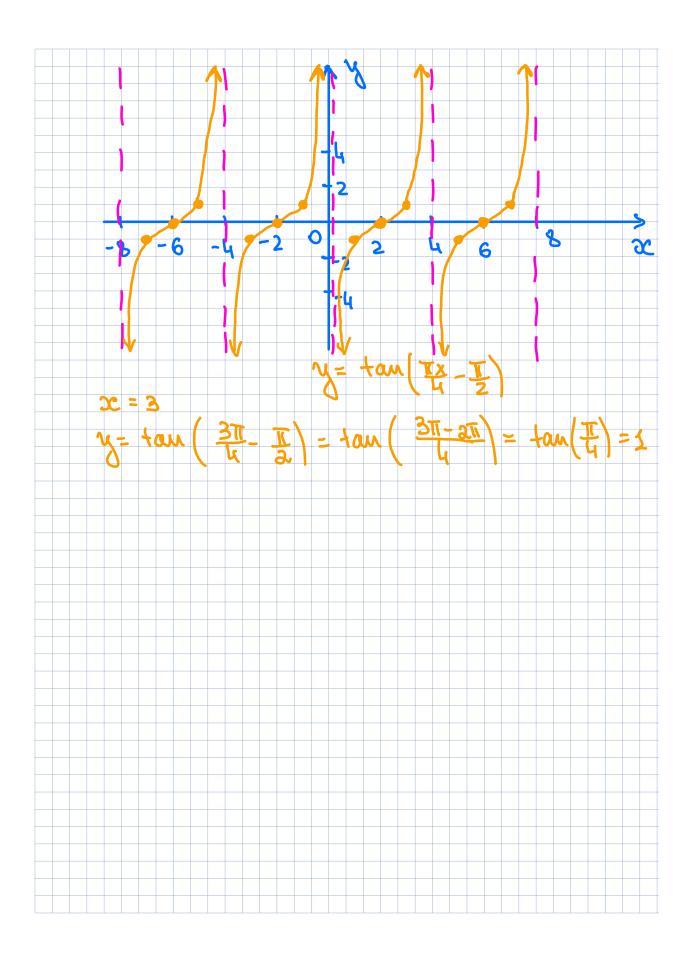
1. Sketch the graph of  $f(x) = 1 + 3\tan(x)$ .



2. Sketch the graph of  $f(x) = \tan\left(\frac{\pi x}{4} - \frac{\pi}{2}\right)$ 







3. Sketch the graph of  $f(x) = -2\csc\left(\pi x + \frac{\pi}{2}\right)$ 

