Math 201-07

Exercise 1 Find the langent to the curve

$$x = \frac{1}{\sin t}$$
 ,  $y = \tan t$ 

Quiz #1

at the point  $P_0$  when  $t = \frac{\pi}{4}$ .

**Exercise 2** Find the length of the polar curve  $r = e^{\theta}$ ,  $0 \le \theta \le 1$ .