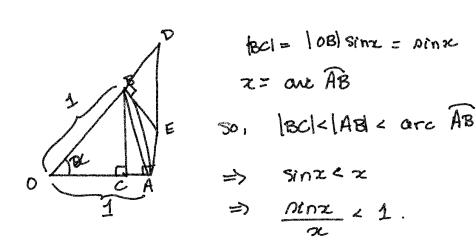
We will prove that $\lim_{z\to 0} \frac{\sin z}{z} = 1$.



Now,

$$arc AB \leq |AE| + |EB|$$

 $= |AE| + |ED|$
 $= |AD|$
 $= |OA| + |an_z| = |an_z|$

$$\Rightarrow z \leq \underbrace{\text{ornso}}_{\text{cossex}}$$

$$\Rightarrow (\cos z \leq \underbrace{\text{otn} z}_{z})$$

Thus, cosse & sina & 1.