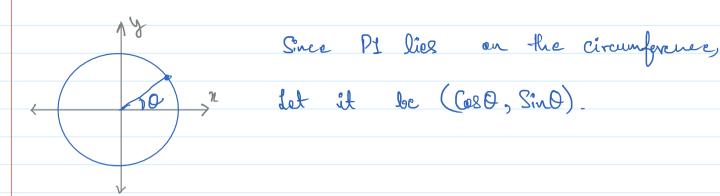
## Assignment 3 | Q 10

30 October 2020 13:20



Any rectangle will be entirely infor the circle iff all its vertices lie onfor the circle.

Let the P2 be (n, y)

then the 4 vorticles will be:

(2, y) (2080, Sind) (2080, Sind) (2080, y)

For the last 2 vertices

n2+Sin20 1

 $= \chi^2 \in (\omega_0^2 \otimes 0) \Rightarrow |x| \in |(\omega_0 \otimes 0)| \bigcirc$ 

y2+ 6820 51

=> 1y) < 1cin01 2

What is the prob of both Condition I and 2 being Satisfied?

18

Role: (25:00). (2680)

