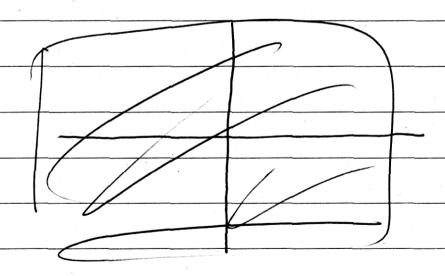


Question 4.

$$\alpha)|x-1| \ge 3$$



c) (i)
$$a^2 = b^2 + c^2 - 26c \cos A$$



5.2% M

 $\ell^2 = 5.2^2 + 8.9^2 - 2 \times 5.2 \times 8.9 \times \cos 110^\circ$ = 27.04 + 1061 - 92.56 x -0.342020..

31.65738447

= \(\int 137.907...

l = 11.743397...

(ii) A = 1/2 bh

d) (i) B: line y=2x

y'=2=0.

y = 6x - 2x = 0. y = 18 - 9

2x = 6

x = 3 St pt. (3,9)



- 22 regaine : concere down
- 22 negative : concerne down Max TP.
$\tau P = (3,9)$
pt inf y=0.
0 = 2x
T: 2=0 sub into y.
y=0
$6x-x^2=0.$
(ii)