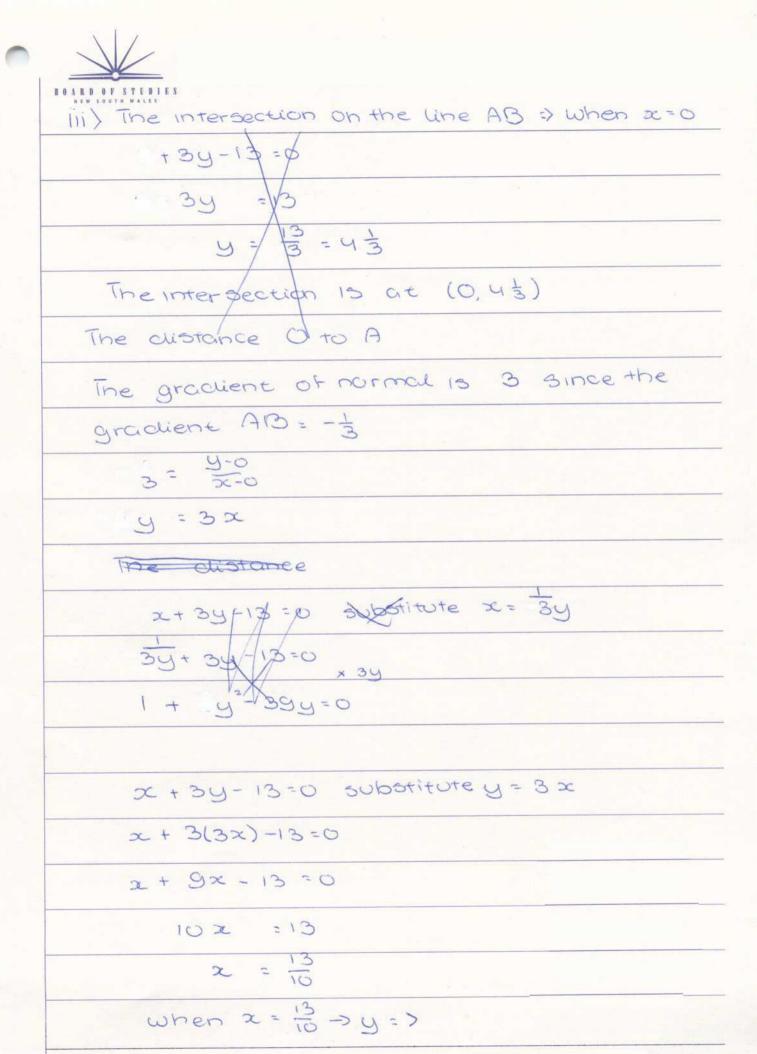
		N.
Вθ	ARDOF STUDIES	31
0	vestion	2

b) i) The equation of AB =

$$-2x+8 = 6y-18$$

 $-x+4 = 3y-9$

$$\sqrt{(-2-4)^2+(5-3)^2} = \sqrt{(-6)^2+(2)^2} = \sqrt{36+44}$$





$$y = -2 + 13$$

$$y = -\frac{10}{13} + 13$$

$$\frac{52}{13} \times \frac{1}{3}$$

V(10/2)2+42

0.415 5

V100 + 16

IV) The area of parallelogram OABC : basex

height = 2 10 x 0.4155 = 2.627 unit 2

V) The perpendicular distance of BC:

Equation of BC: V(60)2+(-2-0)2: 130+4

equition of BC =

$$\frac{y+2}{x-6} = \frac{-2-3}{6-4}$$

-5x+30=29+4



\$0=-5x-2y+26

The perpendicular distance of from 0 to 13			
	[-5x-2y+26]	26	
VQ2+b2	V(-5)2+(-2)2	V29	