

BOARD OF STUDIES NEW SOUTH WALES	
Overtion ?	
o) y=x3+3x (1,4)	- x2+3x-y=0
	- 6
y-y,=m(>c->c,)	
y-4=m(x-1)	= -3
y-4=-3(x-1)	5-=w.v.
y-4=-3xx1	
7=-32025	



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6
i) AB = m= y=-q, A(-2,5)
X-3-3()
= 3-5 B(4,3)
4+5
= -3 6 8 75-43-14-9
= - = = = = = = = = = = = = = = = = = =
-13+3y=-x1x
y-y,=m(x-x,) = x+3y-13=0
y-5=-1/(x+2)
y-5=-{3c1-3
y=-==x+4=/
Dii) d= J(x=-x,)=+ (y=-y,)=
= \[ \left( U + \infty \right)^2 \left( 3 - 5 \right)^2
= 136 +4
= 140
= 6-3
: 540 = 250



(0,0)	C (0,4		
	2(13	y-13=0	
	0 +	3-4-13=0	
((0,4		15-13=0	
c(0,33)		- 1 = 0	
.: Perpendicular dist	cuce		0-352
= 3 = 0 mits			6-33
11 750 2 33			
= 20.87 mits			
V) O(0,0) A(-	2,5)	6-01	
B (4		5	
17 (4	, , )		
		10-27	
c(6,-2)			
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