BOARD OF STUDIES Question 2 A y=n2+32 at (1,4). dy = 2x+3 sub(1,4). 8=2+3 F 5. = y-4= 5 (x-1). 4-4=5x-5 5x - y - 1 = 0. B(i) CRADIENT AB: 5-3 -2-4 = 2 -6 = -1/3 y-3=-13 (x-4) 34-9=-22+4 2397-0 34-9=-x+4 x+3y-13=0.

ARDOFSTUDIES -27-4)2 + (5-3)2 fii 36/4 16 (ii) x,=-2 x2=4 y=5 y2=3  $D = \int (4+2)^2 + (3-5)^2$ =  $\int 6^2 + -2^2$ = 540 = 2570 units. (iii) D= lak, +by, +c Ja2+62 = 0+0-13 = 13 x 500  $\int 1^{2} + 3^{2}$ 510 500 = 1350 Jio 10. units. JIO mits

01WE4

ARD OF STUDIES (iv) Area = bx Lh. = 2510 × 13510 = 6 2650 0 = 6550 = 26510 units? () by observation: Across 6, down 2. : Es condentes (ac) c (6,-2). - BC = 3+2 4-6 = 5/-2 : y+2 = 5/2 (x-6). -24 -4 = 5x - 30 5x+2y-26=0. · Perpin dist with (0,0) an, they to 1 Ja2+62  $= \left| 0 + 0 + 26 \right| = \frac{26}{529} \text{ units}$ 525+4 01W84