These will cancel become they'm the same. Source rubbacting 2 regative terms (-22), (22)³ so these mill be positive, to make $2 \times (3) 3^{2} (2x) + 2 \times (3) (2x)^{3}$

$$= 2 \times 3 \times 3^{2} 2x + 2 \times 1 \times 2^{3} x^{3}$$
$$= 108x + 16x^{3}$$

$$M_{S} = \frac{1}{1-2} = -1$$

We need to find LA first woing the sine who. The shutest chitanic for L to the raid is perpendiculate the ward as shown I

LA = 343.4°

x = 343.4 Smbs = 311.2m

a = 401.3 m

4.
$$y = \frac{16}{x^2}$$
 $y = 17 - x^2$
 $y = \frac{16}{x^2}$ $y = 17 - x^2$
 $y = 16$ on both $y = \frac{16}{x}$ $y = 17 - 1^2$
 $y = 4$ $y = 1$ on both $y = \frac{16}{x^2}$ $y = 17 - 4^2$
 $y = 4$ $y = 1$ on both $y = \frac{16}{x^2}$ $y = 17 - 4^2$

$$\begin{bmatrix} 1 \\ 1 \\ 2 \end{bmatrix} + \begin{bmatrix} -1.6x^{-1} \\ 3 \end{bmatrix}$$

$$= \left(\left(\frac{1}{1} \times 4 - \frac{64}{5} \right) - \left(\frac{1}{1} - \frac{1}{3} \right) - \left(\frac{-16}{4} - \frac{-16}{4} \right) \right)$$

$$= \left(\frac{11}{5} \times 4 - \frac{64}{5} \right) - \left(\frac{11}{5} \times 4 - \frac{16}{5} \right)$$

$$= \left(\frac{11}{5} \times 4 - \frac{64}{5} \times 4 - \frac{16}{5} \times 4 \right)$$

$$\theta = 120$$

0:270

$$\int_{X} \chi(\chi^{1}\chi^{2}) dx = \int_{X} \chi^{3} + 2\chi dx = \frac{\chi^{4} + \chi^{2} + 1}{4}$$

$$\int_{X} \chi(\chi^{1}\chi^{2}) dx = \int_{X} \chi^{3} + 2\chi dx = \frac{\chi^{4} + \chi^{2} + 1}{4}$$

$$\int_{X} \chi(\chi^{1}\chi^{2}) dx = \int_{X} \chi^{4} + \chi dx = \chi^{4} + \chi^{2} + 1$$

(F-1) (Art Brtc) = 13-412+41-1 ... si rei is B-1 B-A = -4 -> C=1 C-B=4 -> C=1 (-18=4 -> C=1 $\frac{9}{4}$. 0 2 3 4(a13-a)=4(a12-a1) a13-a= tar-tar 13-4,2 +41-1=0 deference helner (3) and (2). 13-1=41-41 ii) if FI is a factor ii) The parellelighten ADOE has and of 2 thingles Ara = 120 = 1262 11 = 1811 = 61 Double to get porcelletogram = 31.1769 6 (2) 6 1 60 sin A = 2 x 6x 6x rin 60 6 2 /5588 Subhact area of sector (6x) = 12.3 cm²
i) \ i \ y=a" a>1 x logia = 10gi2 + x logib x logia = 1 + x logib Arc length = 10 = 11 6 = 21 (i) At paint of intersection ax = 26 x (falue leg 10 base 2) (log (an) = log (26") 75 (0g, a - 26 (0g, b) = 1 Angle DOE is 60° or The y-26" O(6 (1) i) DO and DE de 6. 3855/ =

X = 1 / Vey early 5 rights.

i) The elferne between (4) and (1) is 4x - the

then putting 1=1 into 13-4,2 + 6,-1 should be 0

Ar3+Br2+Cr-Ar2-Br-C= r3-4r2+K-1

$$\Gamma = 3 + \sqrt{-3} \cdot 4\pi i i$$

$$= 2 + \sqrt{5}$$

$$= 3 + \sqrt{5}$$

$$= 3$$

$$\int_{aa} \frac{2}{1-\Gamma} \frac{a}{1-\left(\frac{3-5}{2}\right)} = \frac{a}{2-3+5}$$

$$\frac{2a}{(5-1)} \times \frac{(5+1)}{(5+1)} = \frac{2a(5+1)}{(5+1)}$$

$$= \frac{2a(5+1)}{2a(5+1)} = \frac{1}{2}a(5+1)$$

We done this really gridly but I thinks It right was of the rumencal annies may not de correct so, I