

## **ANALYTICAL**

## **GEOMETRY**

**Examination: Final Paper** 



JUNE 27, 2020

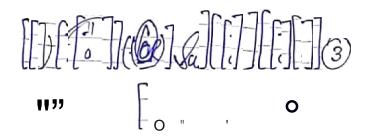
ID NO: 17008

Submit By: Samiullah

Submitted To: Muhammad

Abrar Khan

<b>3</b>			
Paper:-	Final Term.		
, ,	Muhammad	Ab	han



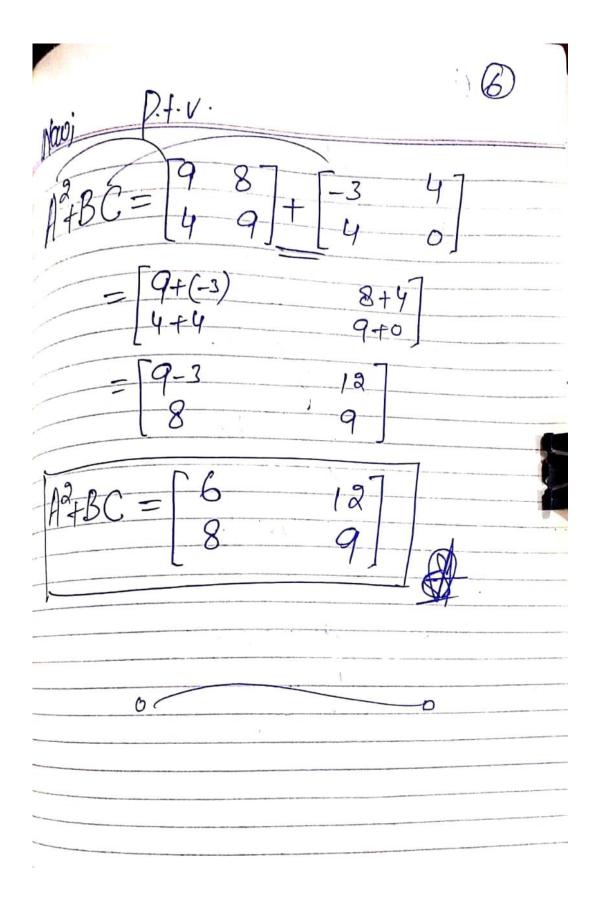
When 
$$X = ?$$

We have  $X = ?$ 

We have  $X = ?$ 

When  $X + 2I = [3 - 1]$ 
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 $X +$ 





Ga) & I (a)
Req; Integral = I =?

GIVEN: Let 
$$I = \int \frac{1}{\sqrt{x^5}} dx$$

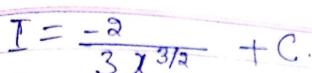
(br)
$$I = \int \frac{1}{\sqrt{x^5}} dx$$

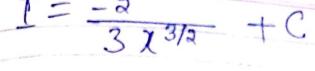
$$= \int \frac{1}{\sqrt{x^5}} dx$$

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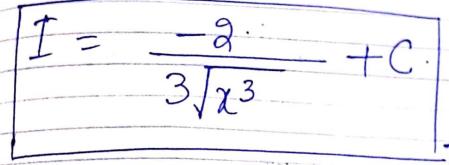
$$I = \frac{1}{$$

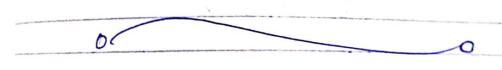




 $\frac{-2}{3(\chi^3)^{1/3}}$ 







(b) Sel (9)

(Rag; Integral = I = ?

Given: let

$$I = \int \frac{1}{(8x+7)^8} dx$$
(b) (b)

$$I = \int (8x+7)^{-8} dx$$
(d) (e)

$$I = \int (8x+7)^{-8} dx$$
(d)

$$I = \int (8x+7)^{-8} dx$$
(e)

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(e)

$$I = \int (8x+7)^{-8} dx$$
(f)

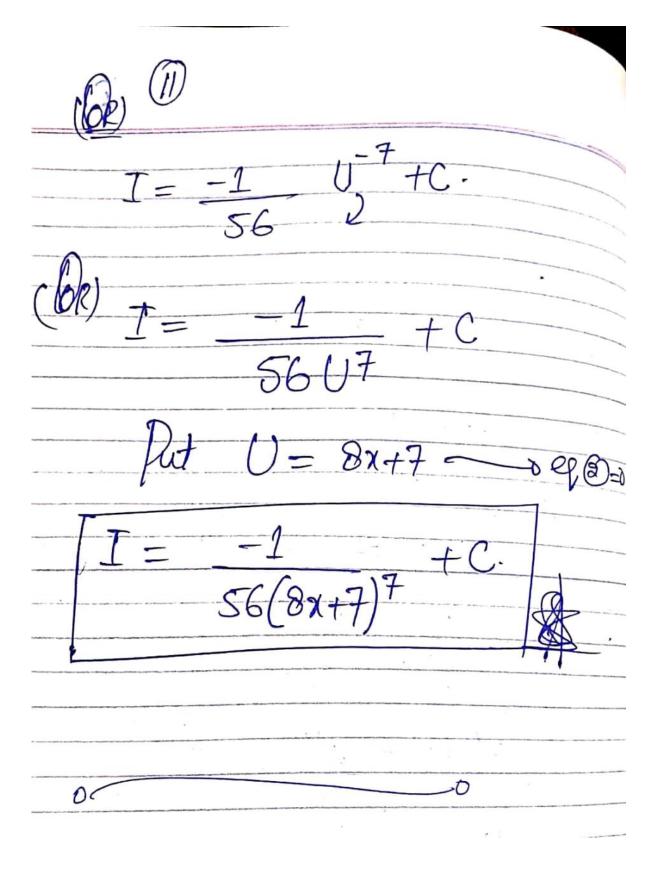
$$I = \int (8x+7)^{-8} dx$$
(g)

$$I = \int (8x+7)^{-8} dx$$
(g

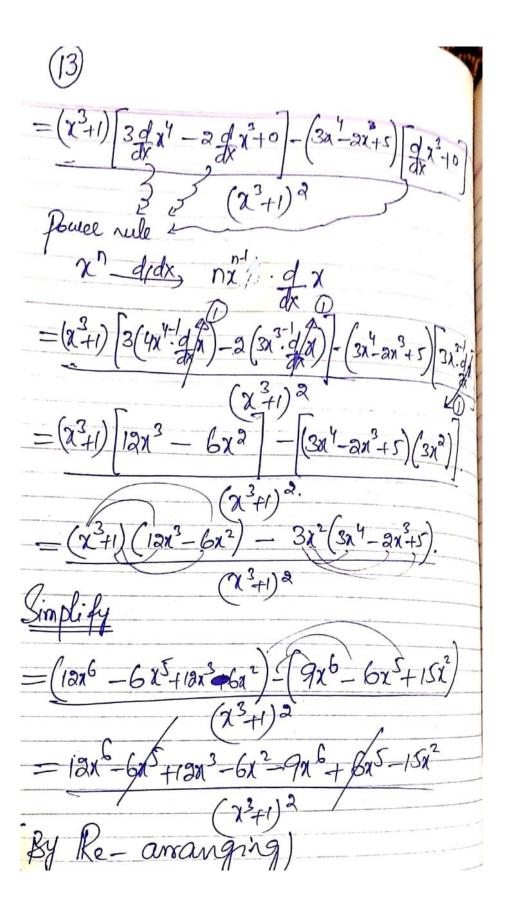
$$\frac{dv}{8} = dx - o 3$$

$$\frac{dv}{8} = c \int dx$$

$$\frac{dv}$$

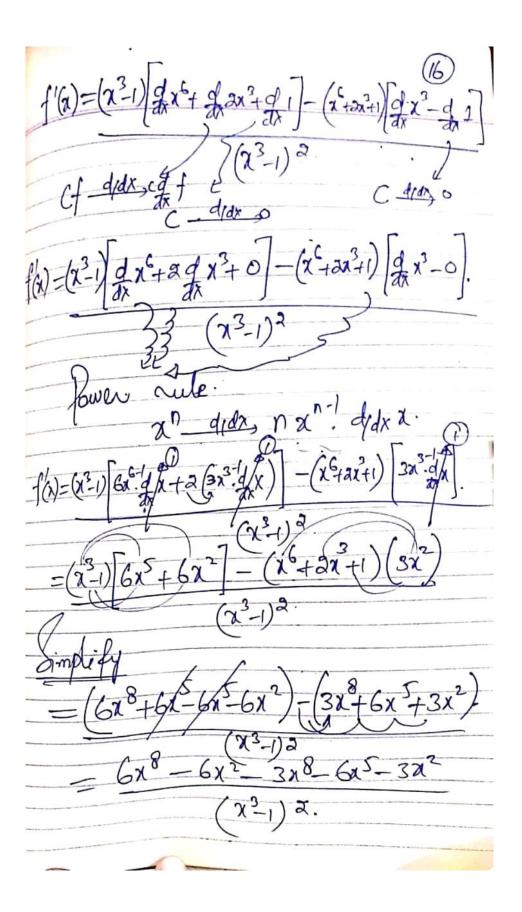


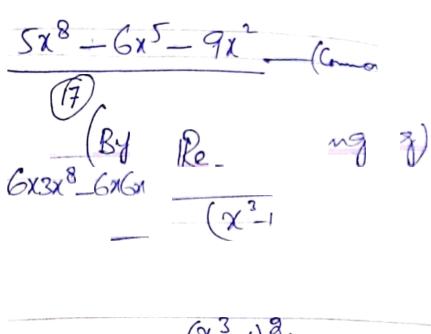
la  $\frac{d}{dx}f(x)=?$  $f(x) = \frac{3x^4 - 2x^3 + 5}{x^3 + 1}$ Tifferentiating w.r.t  $x \circ .b.s$  $\frac{d}{dx} \left[ \frac{3x^4 - 2x^3 + 5}{x^3 + 1} \right]$ Quotent Rule. (x3+1) & (3x4-2x75) - (3x4-2x75) . of (x2+1) =(23+1) \delta 3x 4 - d 2x + d/s - (224-2x3+5) \delta x 2 + d/s  $\sqrt{(\chi^2+1)^2}$ f dets cdfo

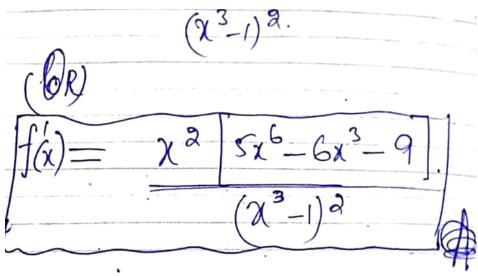


 $\frac{121^{5}-9x^{6}+12x^{3}-6x^{2}-15x^{2}}{(x^{3}+1)^{2}}$ 3x6+12x3-21x2 0 (

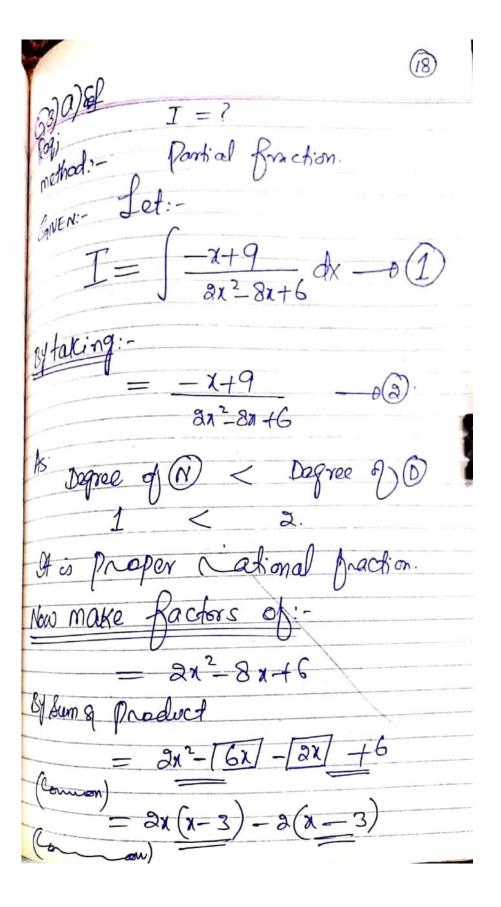
 $\frac{d}{dx} f(x) = ?$ (a+b) = a+b+dab  $f(x) = (x^3)^2 + (1)^2 + 2(x^3)(1)$  $f(x) = \frac{x^{5} + 2x^{3} + 1}{x^{3} - 1}$ Differentiating w.r.t & o.b.s  $= \frac{4}{dx} \left( \frac{x^6 + 3x^3 + 1}{x^3 - 1} \right)$ Unified Rule (23-1) of (x6+2x+1)-(x6+2x2+1) of (x3-1)







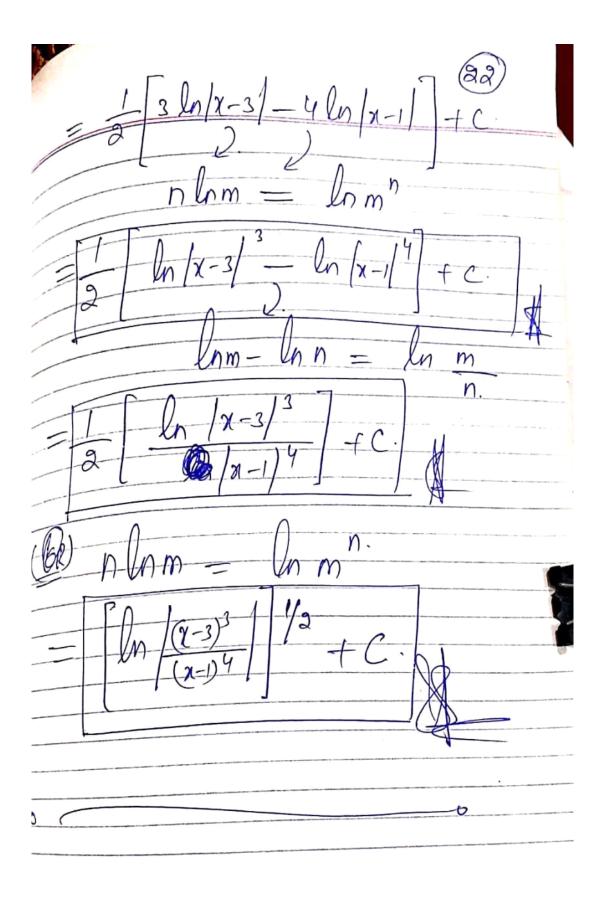
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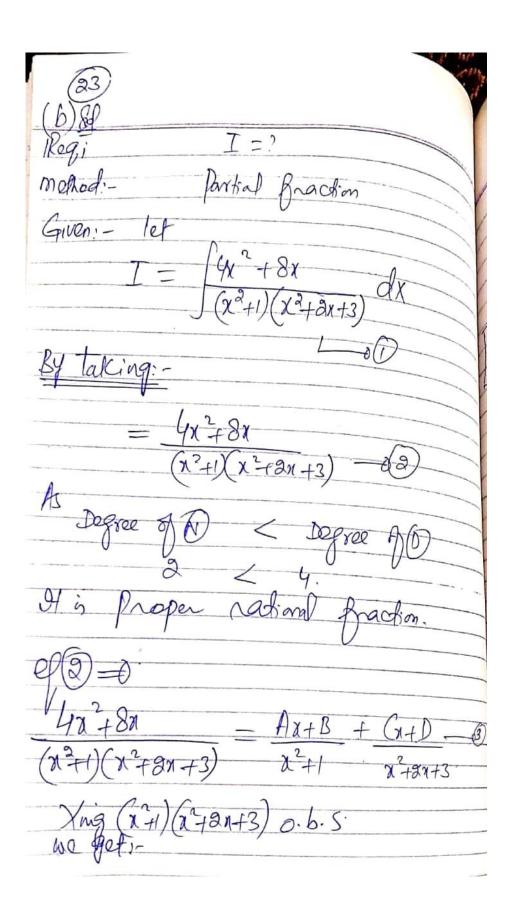


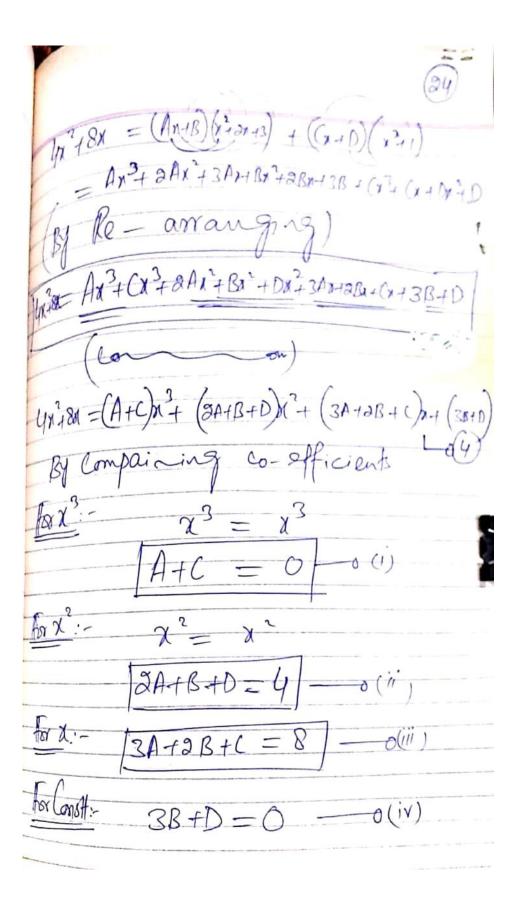
$$A = 60$$

$$A$$

Put of 
$$\mathcal{E}$$
 in  $\mathcal{E}$   $\mathcal{E}$ 







Sabbacking (ii) 
$$8(iv)$$
 $3A + B + 8 = 9$ 
 $3B + 8 = 0$ 
 $3A - 3B = 4$ 
 $A - B = A/3$ 
 $A - B = B/3$ 
 $A - B =$ 

$$D = 4 - 7$$

$$D = -3$$

