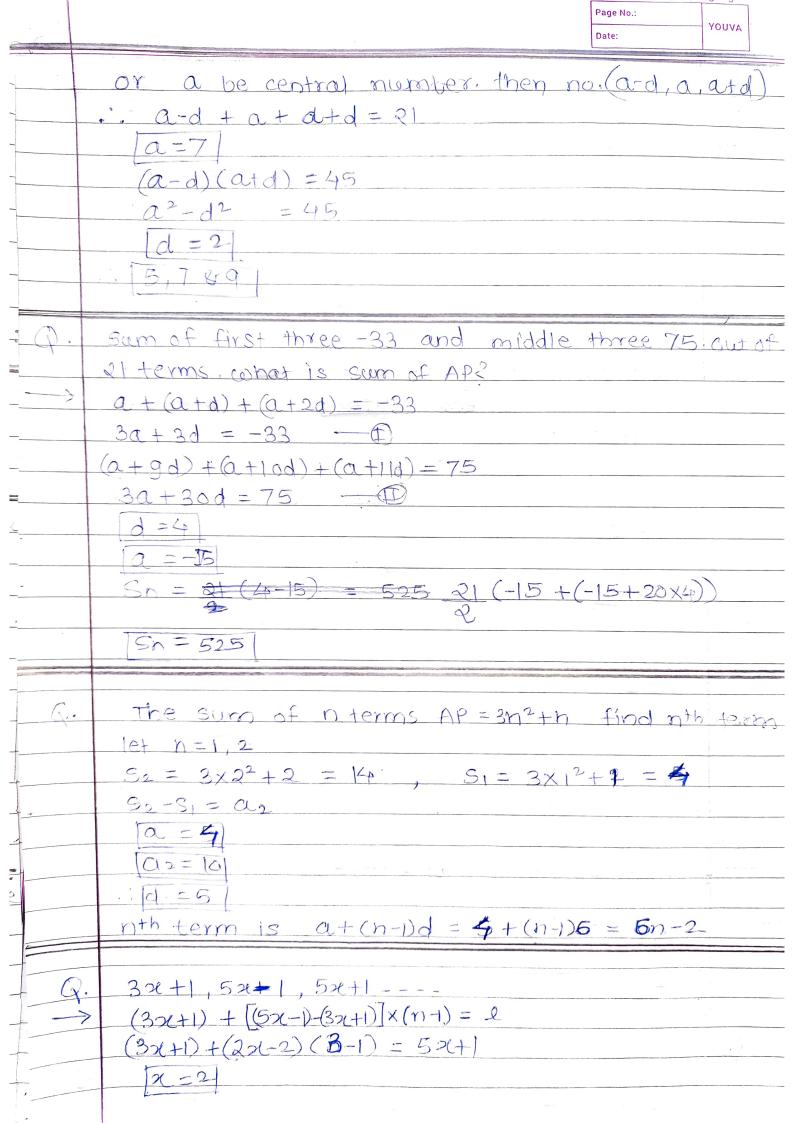
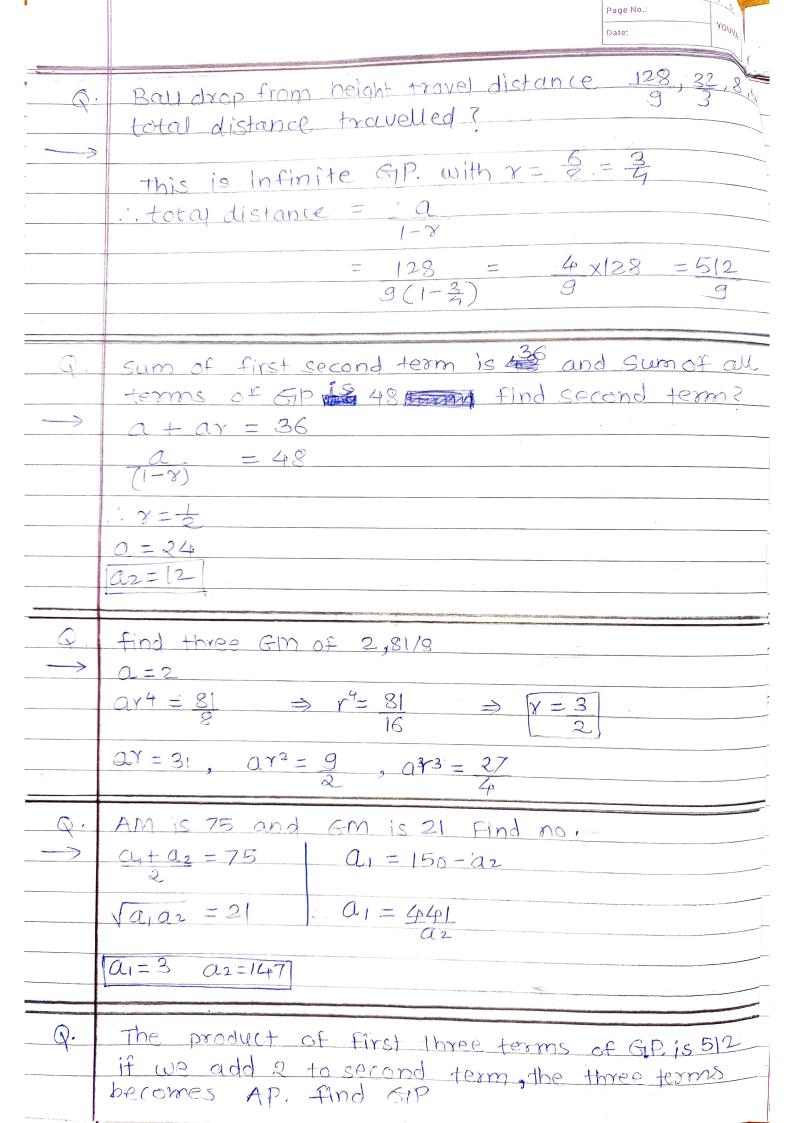
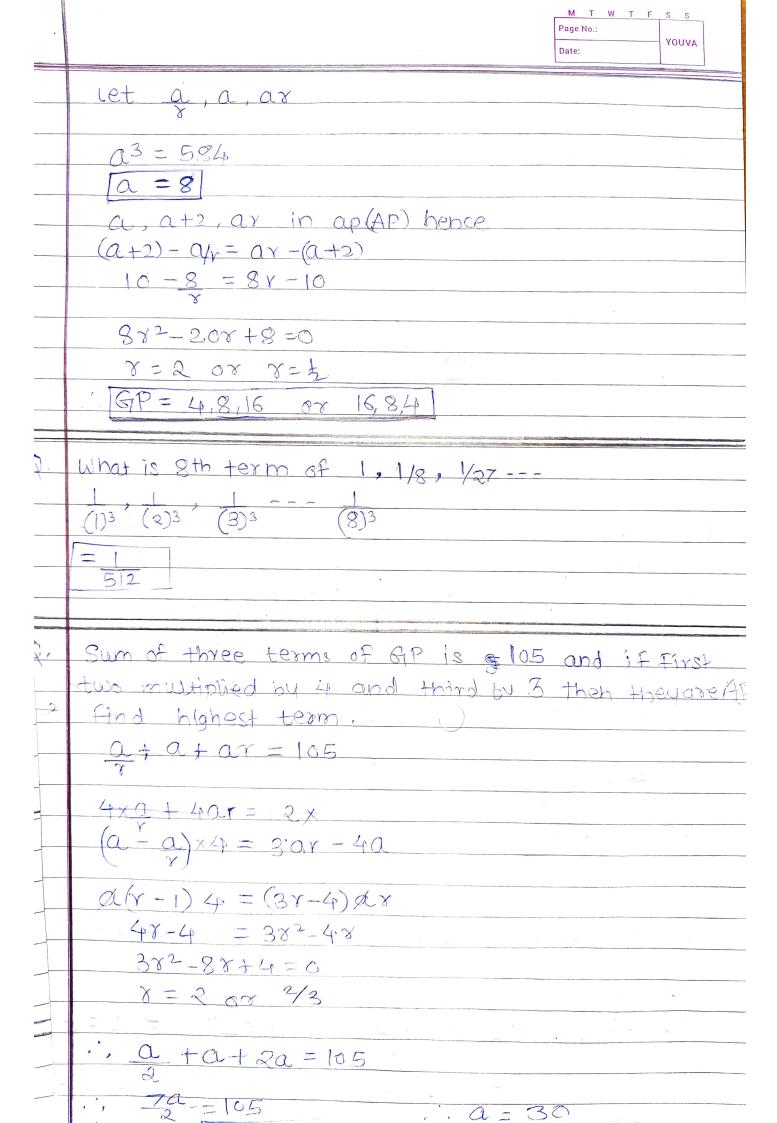
	Series & Progression & infibel Page No.: YOUVA
Q,	word at 44th rank alphabetically of word "ROADIE" for keeping first two constant we have 24 arrangements AE > 24 arrangements [: AERDOI]
\$\frac{1}{2}	8th, 12 th terms 39 8539 then first term is - $a + (8-1)d = 39$ a + (12-1)d = 59 d = 5 a + 7x5 = 39
φ.	15th term of 20, 15, 10 $a+(n-1)d=1$ $20+(15-1)x-5=-50$
Q.	$1^{2}+2^{2}+3^{2}10^{2}=385 + \text{then} 2^{2}+4^{2}+6^{2}-26^{2}=7$ $(2.1)^{2}+(2.2)^{2}+(3.2)^{2}+(2.4)^{2}+(2.10)^{2}=7$ $2^{2}[1^{2}+2^{2}+3^{2}10^{2}]$ $2^{2}\times385$ 4×385 1540
	AP of 51 terms Sum of first three 65 and Sum of middle is 129 what is first and common diff? $S = \frac{n}{2}(a+1) \Rightarrow 65 = \frac{3}{2}(a+1)$ $a + a + d + a + 2d = 65$ $3a + 3d = 65$
	a+24d+a+25d+a+26d=129 3a+75d=129 — (II) $a=\frac{187}{9}$ & $d=\frac{8}{9}$







ر ا	Date:
().	2(14,2 betn 4840 such that is sum is 37 ii) 4 pery is fill 4,2,40 is GP find Z
<i>→</i>	$2x = 4+y$ $2z = 40y \Rightarrow y = \frac{z^2}{40}$
	$x+4+2=37 \Rightarrow x=37-4-2$ i. $x(37-4-2)=4+4$ $34 = 70-22$ $34 = 70-22$ $3z^{2} = 70-2z$ 40 $z=20$ i. $y=10 \ x=7$
Q.	four no. p.q.x.s with first three in GP and Last in AP with d
	first and fourth is same find p. $a, a, ar, ar + 3$ from $f(x)$ $f(x)$ $a = ar + 3$ $f(x)$ $a = ar + 3$ $f(x)$ $a = ar + 3$
Q,	Sum of three mo. in GP is 21/2 and their product 1872 what once mo?
	$\frac{\alpha/\gamma}{3}, \frac{\alpha}{3}, \frac{\alpha\gamma}{3} = \sqrt{27} \Rightarrow \alpha = 3$
	$\frac{2}{3} + \alpha + \alpha = 21/2 \Rightarrow (8^2 + 8 + 1) = 2/2 \Rightarrow 27^2 + 57 + 57$ $8 = 207 1/2$ $8 = 207 1/2$ $13/2 \cdot 3/6 \cdot 8/6 \cdot 3/3 \cdot 3/2$