$$\begin{array}{c} 2 & 2 & 3 \\ -3 & 3 & 3 \\ \hline 2 & 2 & 2 \\ \hline 2 & 2 & 2$$

 $= \begin{pmatrix} 3 \\ 10 \end{pmatrix} \text{ fm}.$   $= \begin{pmatrix} 3 \\ 10 \end{pmatrix} \text{ fm}.$ 

∠Bo1 => k = 1=> k=3

3- a) lan CA= Col- (A-2 m) 2 km ( = A+2h) 21 2A = 13 - A + 2 4 2) SA = \frac{2}{2} + 24 21A2 = + 8 Am b) Ln33+ Ln57 = 1 anb = 3k. a liverle la diville = 4>4-4=13 arb=3k. a 4 ndedinh azi, b= 2,5,8 (12+1)2 a= 2, b= 4,7 = (12+1)2 a= 4 b= 5

 $5 \cdot a) \stackrel{A0}{=} \frac{1}{2} \Rightarrow \frac{AB}{AD} = \frac{3}{2}$ 

ar (DAOE)

as(DAB() = 3 = 9 Am.

316) 94 4 632\_ 312)316 4)312 HCF=4 28\_ 7 h) 29-11 If q is ever, m-2h 29e12 Ukt 1. Pkgis odd, g=2he1 =129e12 2 (2h-11+1 = uh-13 kg.

8-a) 
$$S_{n}=3+15+27+39$$
 $A=3$ 
 $A=12$ 
 $T_{n}=A_{n}(A_{n})d$ 
 $=3+12(A_{n})$ 
 $=12A_{n}-9$ 
 $=12A_{n}-9$ 
 $=12A_{n}-9$ 
 $=12A_{n}+120$ 

7)  $A=31$ 
 $A=31$ 

9. 
$$x = k\left(\frac{1}{3}\right) + \left(\frac{h}{5}\right) = \left(\frac{h}{8}\right)$$

2) 
$$x = \frac{k+4}{k+1} - \frac{3k+5}{k+1} = 0$$
25  $k = \frac{5}{3}$ ,  $x = \frac{5|3+4}{5|3+1}$ 

$$S k = \frac{5}{3}, \chi = \frac{17}{5/3+1}$$

$$(17)$$

Pail = 1-2 = 34

$$\frac{x}{2} = \frac{17}{8}$$

11. (i) 
$$P_{\kappa}(x_{2}, x_{3}, y_{1}) = \frac{1}{2} A_{\kappa s}$$
.  
(ii)  $P_{\kappa}(x_{2}, y_{3}, y_{3}) = \frac{1}{2} A_{\kappa s}$ .  
 $= \frac{1}{2}$ 

$$34.$$
  $38.$ 

$$3-\frac{1}{2}$$

$$\frac{1}{2} = \frac{3}{2} = \frac{3-\frac{1}{2}}{-2}$$

$$\frac{1}{2} = \frac{3}{2} = \frac{3-\frac{1}{2}}{-2}$$

1h. 
$$n^{2} (k+1)^{n} + 2(2k-1)=0$$
 $h+6 = \frac{1}{2} \times (2k-1)$ 
 $h+6 = \frac$ 

$$\frac{x-2}{3} = \frac{1}{3}$$

$$\frac{x-2}{3} = \frac{1}{3}$$

$$\frac{x-3}{3} = \frac{1}{3}$$

$$A = \begin{pmatrix} 5 \\ -2 \end{pmatrix}$$

$$A = \begin{pmatrix} 5 \\ -2 \end{pmatrix}$$

$$A = \begin{pmatrix} 5 \\ -4 \end{pmatrix}$$

$$A = \begin{pmatrix} 5 \\ -4 \end{pmatrix}$$

$$\begin{pmatrix} 5 \\ -4 \end{pmatrix}$$

$$\begin{pmatrix} 5 \\ -4 \end{pmatrix}$$

$$\begin{pmatrix} 5 \\ -4 \end{pmatrix}$$

=) (-1 y) (d) 20 =) (-1 y) (d) 20

b) 
$$0 = \frac{2A+B}{2}$$
.

 $(2-1) = -k$ 
 $(2-1)$ 

70 40 n= 5 660

18.

 $600 = \frac{6}{5}$   $600 = \frac{6}{3}$ .  $400 = \frac{3}{5}$   $3 = \frac{5}{3}$  Am.

19. a) 90-08 CO= 00 660. An= (0 6h0. =) (p = BO.A) ART by 2. ARTBP Bb, = Word & = Wood Legg = ABTTA2 18 = 2 + h<sup>2</sup>
10 - 2 - 7.

20· Area = 56-816

21.

= 100 m - 48 Aus.

Volume Isec = 6x1.5x103/hr

Nopr 130min = 8×1.2×103×7 m3.

 $=\frac{9}{16}\times10^{5}\,\mathrm{m}^{2}$ 

 $=\frac{9}{16}$  km Aux

8 × 10 2 m2

Area ingalid = 6x1.5x102x2

23. a) 
$$\frac{1}{my} = \frac{17}{15}$$

any  $\frac{1}{2}$ 
 $\frac{1}{2}$ 

$$\frac{2^{3}-\frac{8}{15}+\frac{1}{15}}{2^{3}}=\frac{1}{15}+\frac{1}{15}$$

$$=\frac{1}{15}\pm\frac{2}{15}$$

$$2$$

$$2$$

$$3$$

$$4$$

 $\frac{\lambda \pm 1}{15} = \frac{1}{5} \circ \frac{1}{3}.$ 

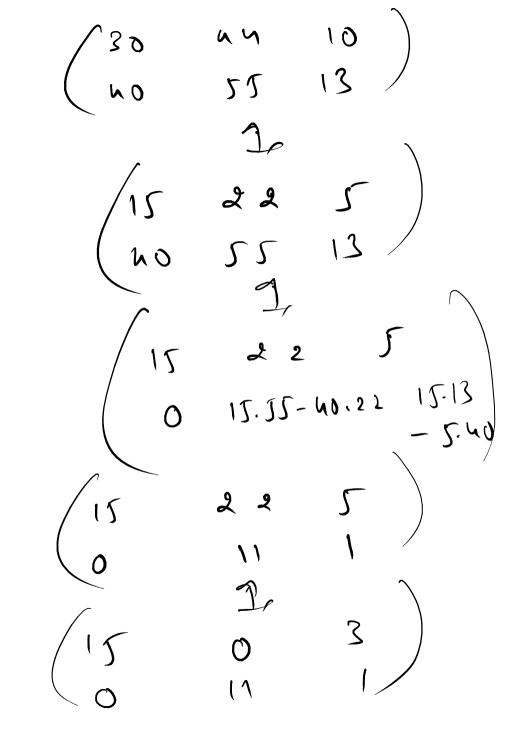
Hence, the time taken

individually is 5 and 3.

**b**)

30 + my = 10.

40 + II = 13.



$$\frac{1}{2}$$
 =  $\frac{1}{2}$   $\frac{$ 

Sn = sh ( 14+ (n-1) 2) = n (2n+6) Am.

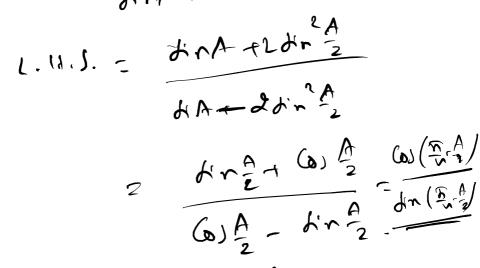
GSA

fir ( = A)

1-601(3-1)

ばっ(ニーカ)

( ) ( - A)



100 (cok 30- apo) 20 (13- 43) 50 × 2 = 100 53 802 r (copso4 cope) 13+152 = 2013 Avr

3 x (x,2-x,2) h- V 28. 1 x 32 x 8 h= V = 21,1,- 21,75 h= (r2-r1) (ob 0. =1 Cok 0 = \frac{h}{\gamma\_1 - \gamma\_1}. AT, 12- F7, 1, = AT, COJe O - 8 mi 2 Wer 0 = x @><<0 ( x, 2-x;2)

~ (0) 0+ C J'~ 0.

6120-7-20