Our-1 91ven. n=8

Meon= 9 & vaujona = 9.25

by the lemain, two observations are x ey

: data: 6,7, 10,12,12,13, 7, y

Mem= Ex

9 = 6+7+10+12+12+13+n+y

72 = 60 + x+y

- 12] --- (1)

Now, Vacciona = 1 2x2 (Mean)2

9-25= 1 (36+49+100+1444144+169+22472)- 81

=> 9.25+81= } (645+27+42)

=> (90.25) x8= 642 + 27442

7 722 = 642 + x2+y2

-> [x2+y2=80] ---(2)

Solving (1) & (2)

7=8 2 4=4

i- Other two observations are

Mron=8 & 5.D= 4

variana= (5.0)2= (4)2=16

: od Mean = 8 = 27

ord 50= 4

ond variance=16 = 16= = (x-8)2

old observations: $\chi = \chi_{,\gamma} \chi_{2}, \chi_{3}; \chi_{4}, \chi_{5}, \chi_{8}$

New observation $y = y_{1,2}y_{2,3} = --- y_{1,2}y_{2,3} = 3x_{3} - -- 3x_{6}$ New Men y = 59

Y = Z(3x)

= 3x8 -=---

N/en Mean 1:

Mw vauiona= - Z(y-y)2

= 8 E (3x-24)2 3 common - 1 × 9 E (x-8)2

= 9x / 5(x-8)2

-9×16 . --- force variance = = = = [x-8]2=104

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$$C.\Delta r = \frac{\Delta r}{\Delta r} \times 100$$

$$60 = \frac{21}{x_1} \times 100$$

$$70 = \frac{16}{x_2} \times 100$$

$$\bar{x}_1 = \frac{210\%}{66}$$

$$\overline{X}_2 = \frac{1600}{76}$$

Valiona 2 100

(i) From A pays - B 588 x 5253 as monthly wages From B pays = B 648x 5253 as monthly wages Clearly from B pays larger amount as monthly wayes