

(1/4) then, $(x-2)(3x-2) = 0$

$x = 2$ or $x = \frac{2}{3}$ which are both rejected since they don't satisfy given condition $x > 2$

(1/4) Thus, we can't find value of x so that

$$A = \frac{\pi A}{2}$$

3rd exercise:

1)

Salary in \$	1000	1500	2000	Total
Freq (n_i)	3	n_2	n_3	10
central angle (α)	α_1	180°	α_2	360° (1/4)

(1/4) • $\frac{3}{\alpha_1} = \frac{10}{360}$, then $\alpha_1 = 3 \times 36 = 108^\circ$.

(1/4) • $n_2 = 5$

(1/4) • $n_3 = 10 - (3 + 5)$ (size = sum of frequencies)
 $n_3 = 2$ ($N = \sum n_i$)

(1/4) • $\alpha_3 = 360 - (180 + 108)$ (sum of central angles)
 $= 72^\circ$

2). Population: The 10 Employee (Staff: Secretary, technicians & directors) of Factory - A

• Character: Salary in \$.
its nature is quantitative (it can be measured)

• The values are 1000 \$, 1500, 2000. 1/4 each