

## 2<sup>nd</sup> - exercise.

- 1) The studied character is the number of daily hours spent by a student of G-9 surfing the internet.

Nature: quantitative since it can be measured.

- 2) a.  $x$ : represents number of students that surf the internet for 4 hours  
 $y$ : represents number of students that surf the internet for 2 hours.

- b) The size of the population, or the total frequency is 25

then  $2 + y + 9 + x + 3 = 25$

Thus,  $x + y = 11$

3)  $\bar{x} = \frac{\sum n_i x_i}{N} = \frac{1(2) + 2(y) + 3(9) + 4(x) + 5(3)}{25}$

$$\frac{3 \cdot 2}{1} = \frac{4x + 2y + 44}{25}$$

$$80 = 4x + 2y + 44$$

hence,  $(4x + 2y = 36) \quad (+2)$

$$2x + y = 18$$