

Name: _____

Show work needed to justify your answer.

Date: _____

HW: # 26b: Math IBSL - Standard 25 - Measures of Dispersion (day 3)

5 points

- 3 A real estate agent recorded the number of rooms in the houses that she was selling.

Rooms	1	2	3	4	5	6	7	18
Houses	2	2	4	10	12	2	2	1

- Find the mean and standard deviation.
- Remove the house with 18 rooms and find the new mean and standard deviation.

- 5 Han's car dealership has 25 cars for sale. The prices are in thousands of Yen.

Price (x , Yen 1000s)	Cars
$100 < x \leq 200$	3
$200 < x \leq 300$	6
$300 < x \leq 400$	11
$400 < x \leq 500$	5

Find the mean price of a car and the standard deviation.

Name: _____

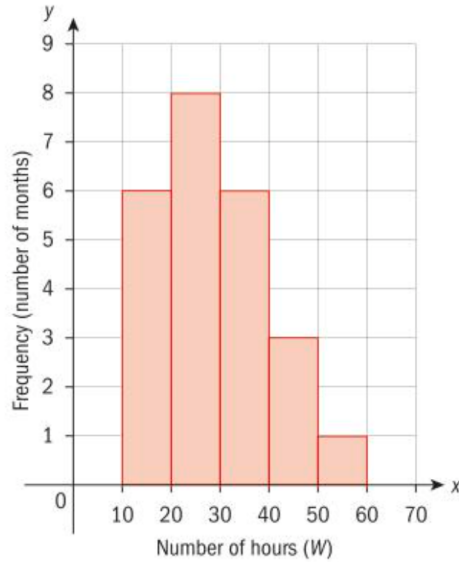
Show work needed to justify your answer.

Date: _____

HW: # 26b: Math IBSL - Standard 25 - Measures of Dispersion (day 3)

5 points

- 6 Sofia's security company recorded data for the total amount of overtime, in hours, her employees worked each month. She presented her data in this histogram.



- For how many months did Sofia collect data?
- What was the modal number of hours of overtime?
- Estimate the mean number of hours of overtime.
- Estimate the standard deviation.