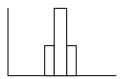
1. Match the standard deviation value with its graph.







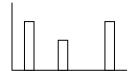
(ii)
$$\sigma = 10$$





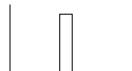
(iii)
$$\sigma = 1$$





(iv)
$$\sigma = 3$$





2. Two high schools kept a record of the number of students who received BRAVOS each day. Over a 5 day period, the following results were obtained:

School A: 4 8 13 2 5

School B: 9 6 11 10 8

a) Determine the standard deviation for each school.

School A

School B

b) Which school has the greatest variation? Why?

- 3. Angela conducted a survey to determine the number of hours per week that Grade 11 students at her school play video games. For the male students she already completed her calculations and got a mean of 12.84 hrs and a standard deviation of 2.16 hrs.
- a) Help Angela finish the mean and standard deviation for the female students. Her survey results are:
 - 4 6 15 10 3 10 6 5 12 8
- b) Compare the results of the male and female students.