Exercise 1 Calc.: X
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Determine if A and B are independent. Justify you answer.

2 marks

Exercise 2

A candy is randomly selected from a paper box with 6 hard candies and 12 soft candies.

If H is the event of getting a hard candy and S is the event of getting a soft candy, determine the following probabilities:

1. P(H)2. P(S)3.  $P(H \cap S)$ 2 marks
2 marks

Exercise 3

In a group of 25 people, 14 like pizza and 16 like hamburger. One person likes neither pizza nor hamburger.

1. Represent the situation using a Venn diagram.

2 marks

What is the probability that a person randomly selected:

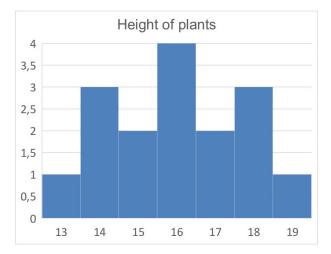
2. Likes pizza?

3. Likes pizza, knowing that he/she likes hamburger?

2 marks

Exercise 4 Calc. : X

The following histogram represents the height of the plants of the new garden.



1. Fill in the table below using the data from the histogram.

2 marks

2 marks

height (cm)				
frequency				

2. Determine the number of plants.

2 marks

3. Determine the mode.

4.  $P(H \cup S)$ 

2 marks

4. Determine the mean.

2 marks

5. Determine the median.

2 marks

Exercise 5 Calc. : X

Given a cube of side 3 m:		
Given a cube of side 5 in.		
1. Draw the cube on paper.	3 marks	
2. Determine the length of a face diagonal of the cube.		
3. Determine the length of a body diagonal of the cube.		
4. Determine the volume of the cube.		
5. Determine the surface of the cube.	3 marks	