

St. Stephen's Girls' College
Final Examination 2018-2019

Form 1
178 students

VC, LHK, LL, JSCL, CYN

MATHEMATICS
Paper I
Time Allowed: 1 hour 30 minutes

Class: _____ **Class No.:** _____ **Division:** _____ **Name:** _____

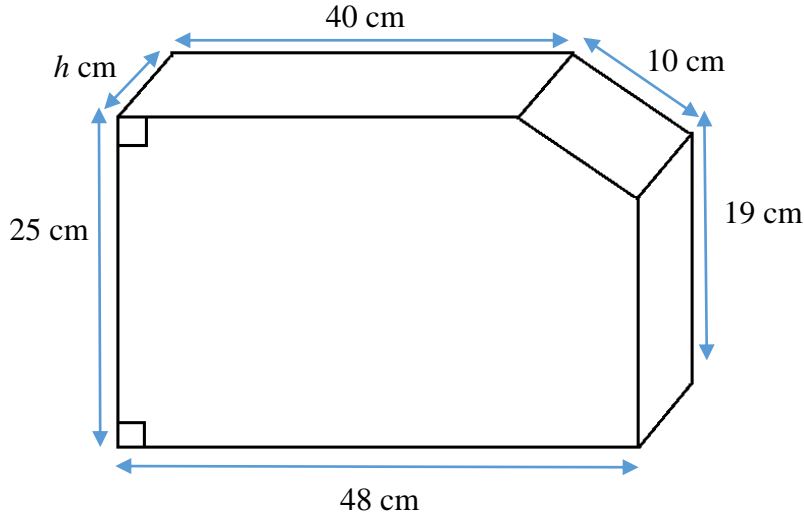
Please read the following instructions very carefully.

1. Write your class, class number, name and division in the spaces provided on this cover.
2. This paper carries 100 marks. Attempt ALL questions in this paper. Write your answers in the spaces provided in this Question/Answer Paper.
3. *ALL* working must be clearly shown.
4. The diagrams in this paper are not necessarily drawn to scale.

For Markers' Use Only	
Question No.	Marks
1	(6)
2	(8)
3	(6)
4	(8)
5	(5)
6	(7)
7	(7)

For Markers' Use Only	
Question No.	Marks
8	(9)
9	(6)
10	(9)
11	(5)
12	(7)
13	(8)
14	(9)
Total	(100)

9. Peter buys a toy from a shop. The packing of the toy is a prism as shown.



It is given that the volume of the toy is 14112 cm^3 .

(a) Find the value of h .

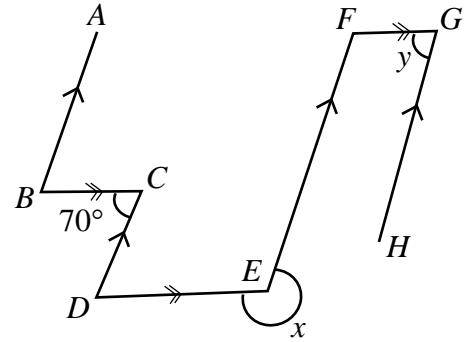
(4 marks)

(b) Find the total surface area of the prism.

(2 marks)

11. Find the unknowns in the figure.

(5 marks)



12. It is given that $\triangle ABC \sim \triangle AED$. Find x and y .

(7 marks)

