

20-21 F.4  
2nd TERM EXAM  
MATH CP  
PAPER 1

2020 – 2021  
Form 4 Second Term Examination

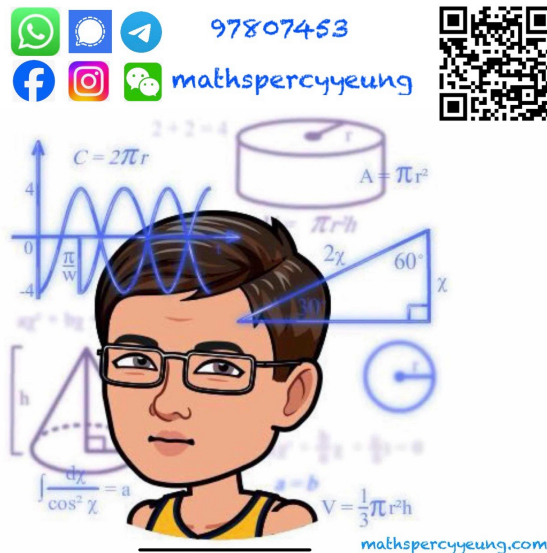
**MATHEMATICS Compulsory Part**  
**PAPER 1**

**Question–Answer Book**

17<sup>th</sup> June, 2021  
8:15 am – 9:45 am (1 hour 30 minutes)  
**This paper must be answered in English**

**INSTRUCTIONS**

- Write your name, class and class number in the spaces provided on this cover.
- This paper consists of THREE sections, A(1), A(2) and B.
- Attempt ALL questions in this paper. Write your answers in the spaces provided in this Question – Answer Book. Do not write in the margins. Answers written in the margins will not be marked.
- Unless otherwise specified, all working must be clearly shown.
- Unless otherwise specified, numerical answers should be either exact or correct to 3 significant figures.
- The diagrams in this paper are not necessarily drawn to scale.



Sections	Marks
A (1 – 4)	/14
A (5 – 9)	/27
<b>A Total</b>	<b>/41</b>
<b>B Total</b>	<b>/29</b>
<b>TOTAL</b>	<b>/70</b>







8. In Figure 2,  $CD$  is perpendicular to  $AB$ , and  $CD$  cuts the  $y$ -axis at  $E$ .

- (a) Find the equations of  $AB$  and  $CD$ . (4 marks)
- (b) Find the coordinates of  $D$  and  $E$ . (2 marks)
- (c) Find the area of quadrilateral  $OBDE$ . (2 marks)

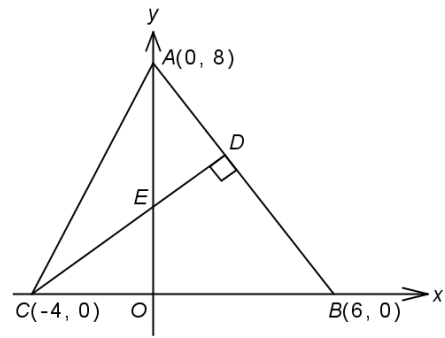


Figure 2

Answers written in the margins will not be marked

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Answers written in the margins will not be marked

A large rectangular area with horizontal dashed lines for writing. The lines are evenly spaced and run across the width of the page, providing a guide for handwriting.

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13. Solve the equation  $\log_2(x-1) + \log_2(2x+3) = 3$ , leave your answers in surd form. (4 marks)

**END OF PAPER**

Answers written in the margins will not be marked