

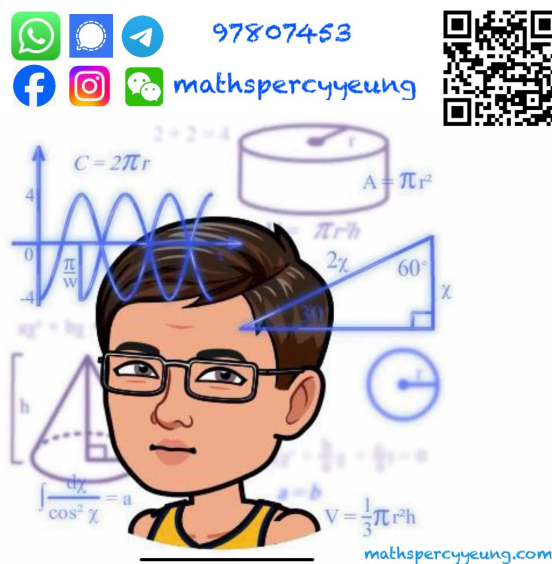
Term 1 Assessment 2025 – 2026
Revision Exercise (Set 2)

Grade :	G9	Name :	
Subject :	Mathematics	Class :	()
Paper :	I	Group No. :	
Date :		Marks :	/ 67
Time Allowed :	1 hour 15 minutes		

This paper must be answered in English

INSTRUCTIONS

1. This paper consists of Section A and Section B. Section A carries 42 marks. Section B carries 25 marks.
2. Answer all the questions.
3. Use of an HKEAA approved calculator is allowed.
4. The diagrams in this paper are not necessarily drawn
5. Write your mathematical expressions, answers and st
provided. There is
NO need to show the rough work.
6. Unless otherwise specified, numerical answers should
significant figures.
7. Do your rough work in the rough worksheet provided.



Section A (42 marks)

1. Factorize the following polynomials.

(a) $x^2 - 5x - 24$ (1 mark)

(b) $-3a^2 + 6a + 9$ (2 marks)

(c) $4pq - 15 - 20q + 3p$ (2 marks)

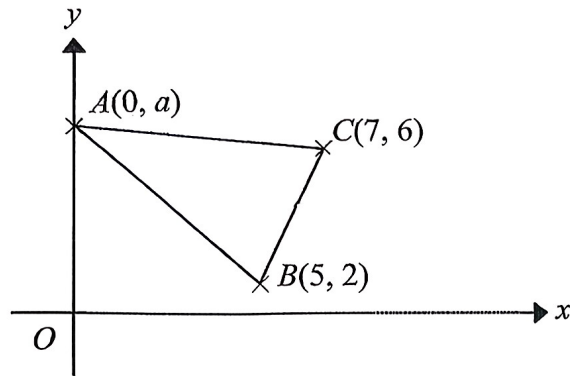
2. (a) Factorize

(i) $3x^2 - 2x - 5$. (1 mark)

(ii) $3x^2 - 2x - 5 + 6x - 10$. (2 marks)

(b) Hence, factorize $\frac{1}{6x-10} + \frac{1}{3x^2-2x-5}$. (3 marks)

3. In the figure, $A(0, a)$, $B(5, 2)$ and $C(7, 6)$ are the vertices of a triangle. It is given that A is a point on the y -axis and $AB = AC$.



- (a) Find the coordinates of A . (3 marks)

- (b) Let M be the mid-point of BC . Prove that the height of $\triangle ABC$ with BC as the base is $3\sqrt{5}$ units. (3 marks)

- (c) Find the area of $\triangle ABC$. (2 marks)

It is given that k is a positive integer.

- (a) If the mean of the distribution is 3, find the value of k . (3 marks)
- (b) If the mode of the distribution is 5, write down the greatest possible value of k . (1 mark)

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(a) Find the mean, median of each class. (4 marks)

(b) Hence, determine which class performed better. Explain your answer. (3 marks)

END OF PAPER