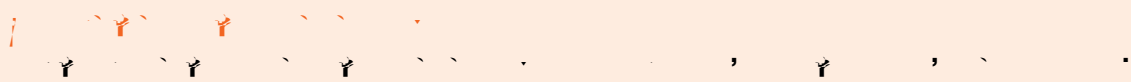


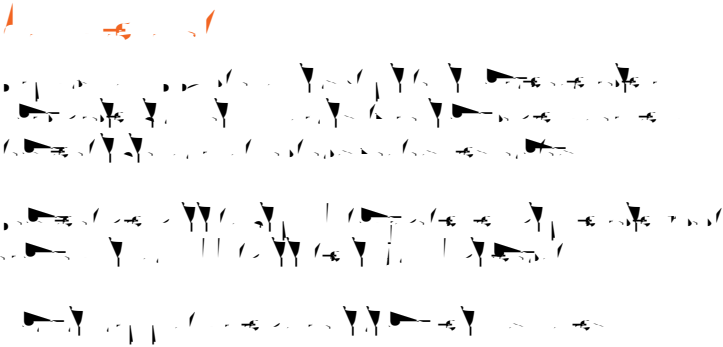
Cambridge IGCSE™

04 0



במקורם לייצג את תפקידיהם השונים, ויש להבין את כוונתו של המחבר.







Section 1

Read the text and answer the questions. You may find it helpful to refer to the text as you read.

Text 1

It was a very hot day in the middle of the summer. The sun was shining brightly and the air was thick with heat. The children were playing in the park, laughing and shouting. They were all wearing their summer clothes and hats. The trees were green and the grass was yellow. The children were playing for hours and were very happy. They were all enjoying the day and the weather.

Text 2

The children were playing in the park. They were all wearing their summer clothes and hats. The trees were green and the grass was yellow. The children were playing for hours and were very happy. They were all enjoying the day and the weather.

Text 3

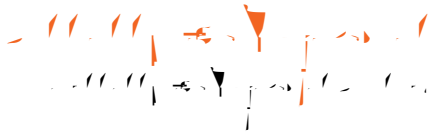
The children were playing in the park. They were all wearing their summer clothes and hats. The trees were green and the grass was yellow. The children were playing for hours and were very happy. They were all enjoying the day and the weather.

Text 4

The children were playing in the park. They were all wearing their summer clothes and hats. The trees were green and the grass was yellow. The children were playing for hours and were very happy. They were all enjoying the day and the weather.

Before you start

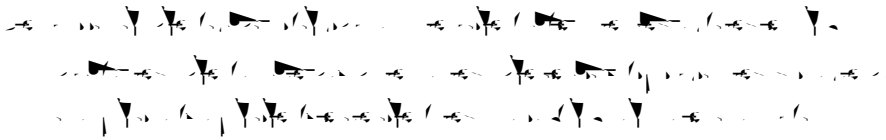
www.cambridgeinternational.org/samples



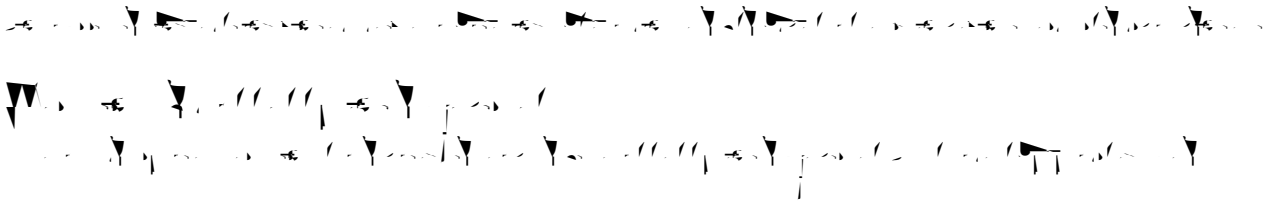
A1



A2



A3



Handwritten title in red ink at the top left of the page.

Handwritten text line 1, starting with a vertical line on the left.

Handwritten text line 2, starting with a vertical line on the left.

Handwritten text line 3, starting with a vertical line on the left.

Handwritten text line 4, starting with a vertical line on the left.

Handwritten text line 5, starting with a vertical line on the left.

Handwritten text line 6, starting with a vertical line on the left.

Handwritten text line 7, starting with a vertical line on the left.

Handwritten text line 8, starting with a vertical line on the left.

Orange horizontal bar containing handwritten text.

Handwritten title in red ink.

Handwritten text line 1, starting with a vertical line on the left.

Handwritten text line 2, starting with a vertical line on the left.

Handwritten text line 3, starting with a vertical line on the left.

Handwritten text line 4, starting with a vertical line on the left.

Handwritten text line 5, starting with a vertical line on the left.

Handwritten title in red ink.

Handwritten text line 1, starting with a vertical line on the left.

Handwritten text line 2, starting with a vertical line on the left.

Handwritten text line 3, starting with a vertical line on the left.

Handwritten text line 4, starting with a vertical line on the left.

Handwritten text line 5, starting with a vertical line on the left.

Handwritten text line 6, starting with a vertical line on the left.

Orange horizontal bar containing handwritten text.

Handwritten title in red ink.

Handwritten text line 1, starting with a vertical line on the left.

Handwritten text line 2, starting with a vertical line on the left.

Handwritten text line 3, starting with a vertical line on the left.

Handwritten text line 4, starting with a vertical line on the left.

Handwritten title in red ink.

Handwritten text line 1, starting with a vertical line on the left.

Handwritten text line 2, starting with a vertical line on the left.

...

...

...
...
...
...

...

...
...
...

...

Handwritten title in a light blue header box.

Handwritten sub-header in red.

Handwritten notes in black ink, first section.

Handwritten sub-header in red.

Handwritten notes in black ink, second section.

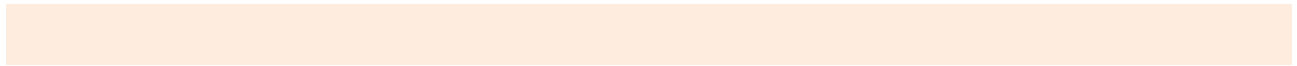
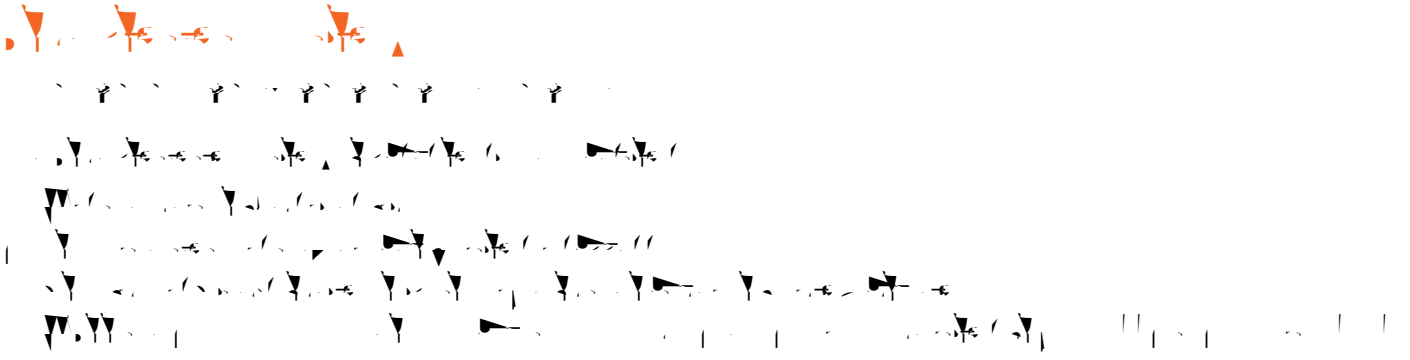
Handwritten title in a light blue header box.

Handwritten sub-header in red.

Handwritten notes in black ink, third section.

Handwritten sub-header in red.

Handwritten notes in black ink, fourth section.



Handwritten header text in a light blue bar.

Handwritten red header text.

Handwritten notes in black ink, consisting of several lines of text.

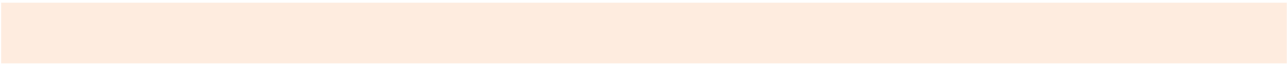
Handwritten red header text.

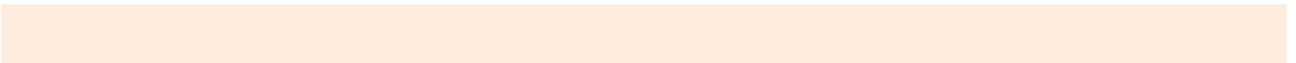
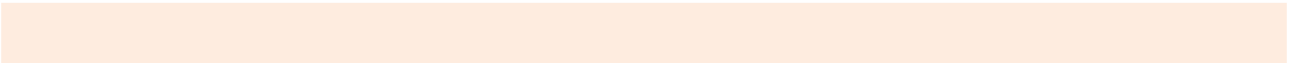
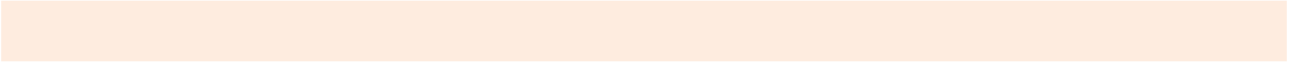
Handwritten notes in black ink, consisting of several lines of text.

Handwritten header text in a light blue bar.



...





[Redacted text block]

[Redacted text block]

[Redacted text block]

[Redacted text block]

[Redacted text block]

Handwritten title or header in red ink.

Main body of handwritten text in black ink, consisting of several lines of cursive script.

[Redacted text block]

[Redacted text block]

- ▼ [Redacted list item]
- ▼ [Redacted list item]
- ▼ [Redacted list item]

[Redacted text block]

[Redacted text block]

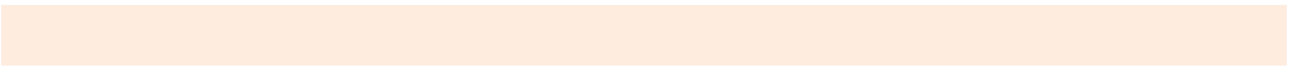
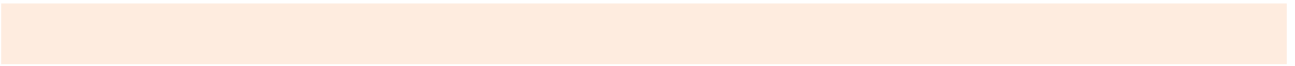
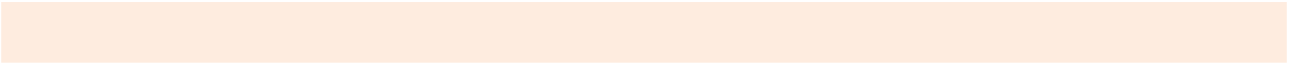
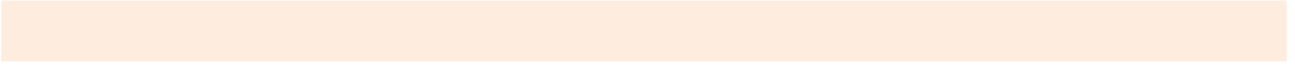
[Redacted text block]

Handwritten title or header in red ink.

Main body of handwritten text in black ink, consisting of approximately 20 lines of cursive script.

Handwritten title or header in red ink.

Main body of handwritten text in black ink, consisting of approximately 25 lines of cursive script.





Decorative header with floral motifs and a large, stylized graphic element.

Section 1: Introduction and Overview

Section 2: Detailed Analysis and Findings

Section 3: Conclusions and Recommendations

Section 4: Appendix and Additional Information

Decorative header with floral motifs and a large, stylized graphic element.

Section 5: Summary and Key Takeaways

Section 6: Final Thoughts and Future Directions

Cambridge International General Certificate of Secondary Education

1110000

Cambridge International General Certificate of Secondary Education

Cambridge International General Certificate of Secondary Education

Cambridge International General Certificate of Secondary Education

Cambridge International General Certificate of Secondary Education

Cambridge International General Certificate of Secondary Education

Cambridge International General Certificate of Secondary Education
www.cambridgeinternational.org/support

Cambridge International General Certificate of Secondary Education

1110000

Cambridge International General Certificate of Secondary Education

Cambridge International General Certificate of Secondary Education

Cambridge International General Certificate of Secondary Education

Cambridge International General Certificate of Secondary Education

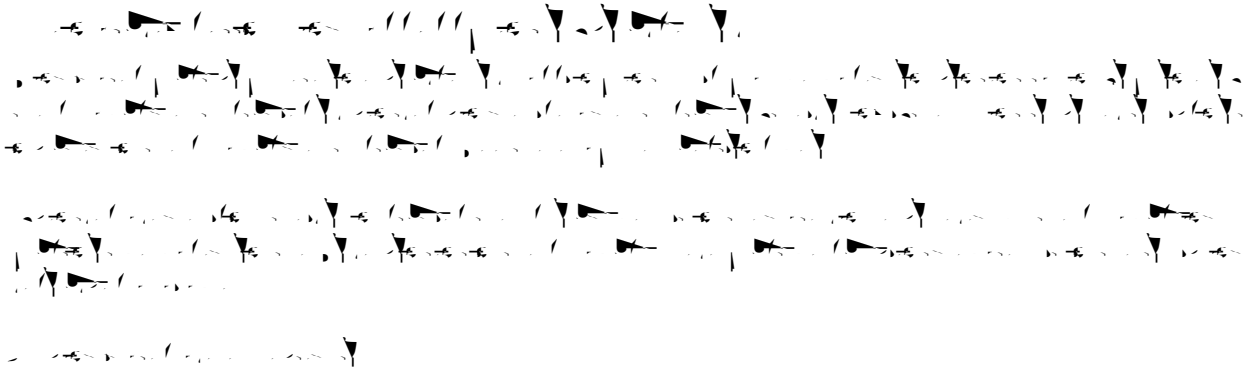
Cambridge International General Certificate of Secondary Education

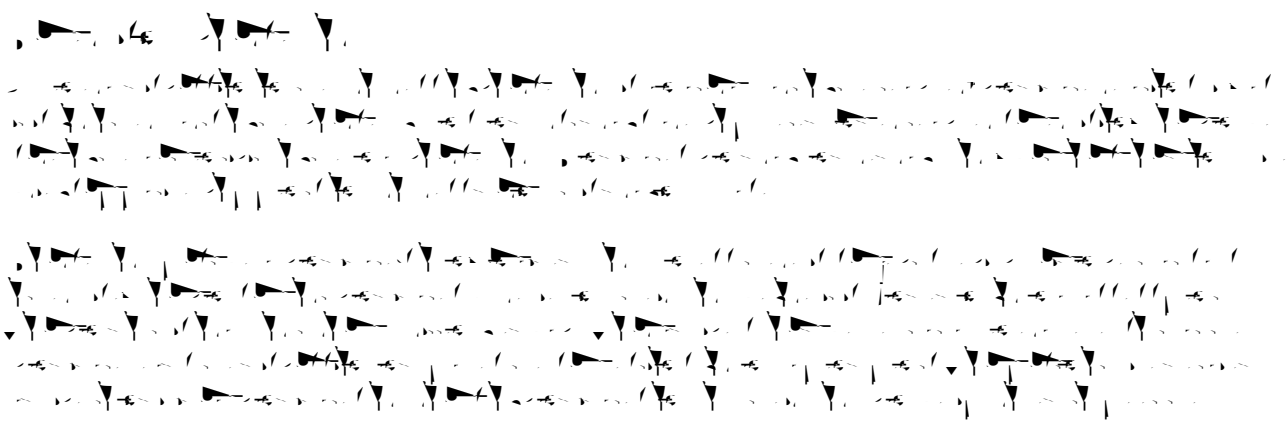
Cambridge International General Certificate of Secondary Education

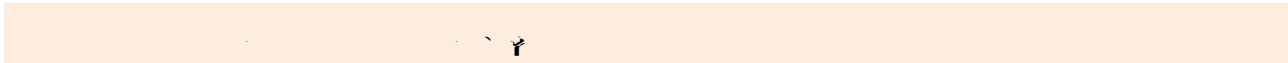
Cambridge International General Certificate of Secondary Education



Cambridge International Centre
Head Office
www.cambridgeinternational.org/support







www.cambridgeinternational.org/samples



Worked Example 1

Figure 1 shows the graph of the function f on the Cartesian plane. The graph consists of a straight line segment from $(-2, 0)$ to $(2, 4)$, a parabola from $(2, 4)$ to $(4, 0)$, and a straight line segment from $(4, 0)$ to $(6, 2)$.

Find the area of the region bounded by the graph of f and the x -axis.

Solution The area of the region bounded by the graph of f and the x -axis is the sum of the areas of the three regions shown in Figure 2.

Area of region bounded by the graph of f and the x -axis from $x = -2$ to $x = 2$ is $\frac{1}{2} \times (4 - 0) \times (2 - (-2)) = 8$ square units.

Area of region bounded by the graph of f and the x -axis from $x = 2$ to $x = 4$ is $\frac{1}{2} \times (4 - 0) \times (4 - 2) = 4$ square units.

Area of region bounded by the graph of f and the x -axis from $x = 4$ to $x = 6$ is $\frac{1}{2} \times (2 - 0) \times (6 - 4) = 2$ square units.

∴ Total area of the region bounded by the graph of f and the x -axis is $8 + 4 + 2 = 14$ square units.

∴ The area of the region bounded by the graph of f and the x -axis is 14 square units.

Exercise 10A Questions 1–5

1. The graph of the function f is shown in Figure 1. Find the area of the region bounded by the graph of f and the x -axis.

2. The graph of the function f is shown in Figure 2. Find the area of the region bounded by the graph of f and the x -axis.

3. The graph of the function f is shown in Figure 3. Find the area of the region bounded by the graph of f and the x -axis.

4. The graph of the function f is shown in Figure 4. Find the area of the region bounded by the graph of f and the x -axis.

5. The graph of the function f is shown in Figure 5. Find the area of the region bounded by the graph of f and the x -axis.

6. The graph of the function f is shown in Figure 6. Find the area of the region bounded by the graph of f and the x -axis.

7. The graph of the function f is shown in Figure 7. Find the area of the region bounded by the graph of f and the x -axis.

() ()

... ..

...

C .. er .. Ha db

Cambridge International AS & A Level Mathematics: Mechanics 1
Cambridge International AS & A Level Mathematics: Mechanics 1
Cambridge International AS & A Level Mathematics: Mechanics 1

Cambridge International AS & A Level Mathematics: Mechanics 1
Cambridge International AS & A Level Mathematics: Mechanics 1
Cambridge International AS & A Level Mathematics: Mechanics 1
info@cambridgeinternational.org

Cambridge International AS & A Level Mathematics: Mechanics 1
Cambridge International AS & A Level Mathematics: Mechanics 1
Cambridge International AS & A Level Mathematics: Mechanics 1