

6665/01

Thursday 17 January 2008 – Afternoon
Time: 1 hour 30 minutes

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[illegible]

Nil

Instructions to Candidates

Answer ALL the questions. Write your answers in the spaces provided in this question paper. When a calculator is used, the answer should be given to an appropriate degree of accuracy.

Information for Candidates

There are 24 pages in this question paper. Any blank pages are indicated.

Advice to Candidates

Answers without working may not gain full credit.

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H 2 6 3 1 5 R B 0 1 2 4

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(4)

[illegible]

- (6)

- (2)

4.

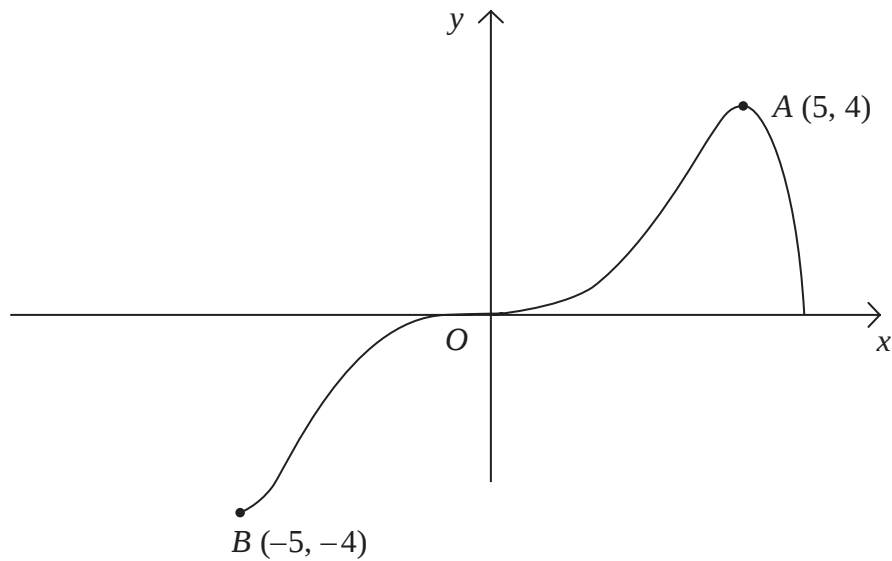


Figure 1

Figure 1 shows a sketch of the curve with equation $y = f(x)$.
The curve passes through the origin O and the points $A(5, 4)$ and $B(-5, -4)$.

In separate diagrams, sketch the graph with equation

(a) $y = |f(x)|$, (3)

(b) $y = f(|x|)$, (3)

(c) $y = 2f(x+1)$. (4)

On each sketch, show the coordinates of the points corresponding to A and B .



Leave
blank**Question 4 continued**

H 2 6 3 1 5 R B 0 9 2 4



Question 6 continued

[illegible]

Question 7 continued

This image shows a single sheet of white paper with horizontal ruling lines. The lines are evenly spaced and run across the width of the page. There are no margins, text, or other markings on the paper.

Leave
blank**Question 8 continued**

Q8

(Total 13 marks)**TOTAL FOR PAPER: 75 MARKS****END**