

8.

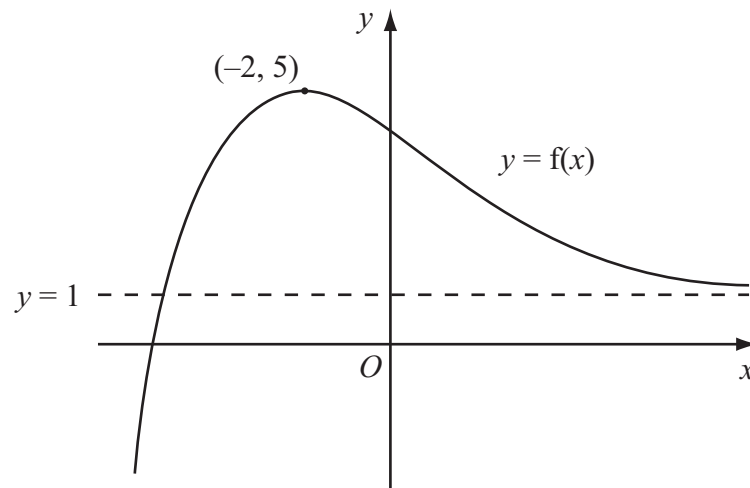


Figure 1

Figure 1 shows a sketch of part of the curve with equation $y = f(x)$.

The curve has a maximum point $(-2, 5)$ and an asymptote $y = 1$, as shown in Figure 1.

On separate diagrams, sketch the curve with equation

(a) $y = f(x) + 2$ (2)

(b) $y = 4f(x)$ (2)

(c) $y = f(x + 1)$ (3)

On each diagram, show clearly the coordinates of the maximum point and the equation of the asymptote.



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Question 8 continued



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Question 8 continued

Q8

(Total 7 marks)



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