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3. On separate diagrams, sketch the graphs of

(a)  $y = (x + 3)^2$ ,

**(3)**

(b)  $y = (x + 3)^2 + k$ , where  $k$  is a positive constant.

**(2)**

Show on each sketch the coordinates of each point at which the graph meets the axes.



**Question 3 continued**

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**(Total 5 marks)**

**Q3**











































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