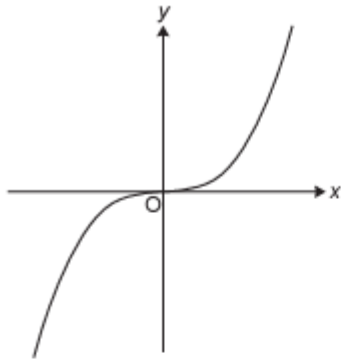
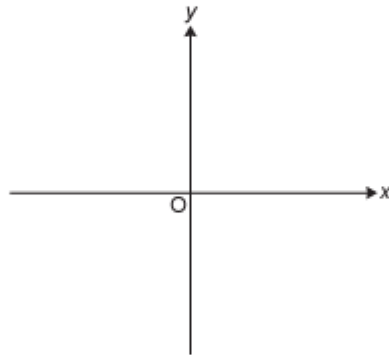


(b) Here is a sketch of $y = x^3$.



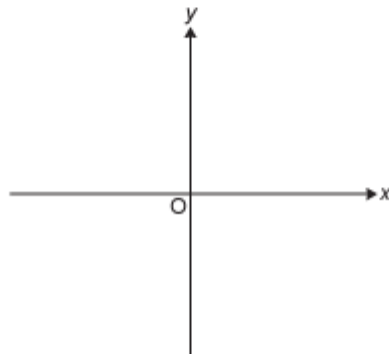
On the axes below, sketch the graphs of

(i) $y = -x^3$



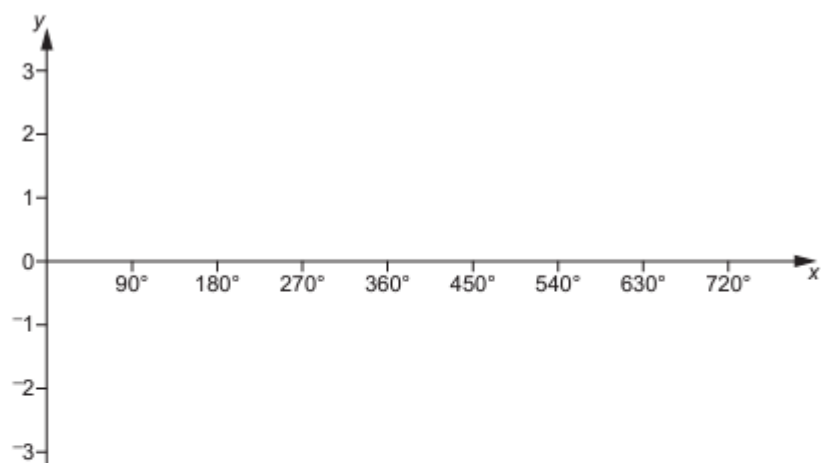
[1]

(ii) $y = x^3 - 8$, showing the values of any intercepts with the axes.



[3]

- 18 (a) Sketch the graph of $y = \cos x + 1$ for $0^\circ \leq x \leq 720^\circ$.



[3]

- (b) Explain why the equation $\cos x + 1 = 2.7$ has no solutions.

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..... [1]