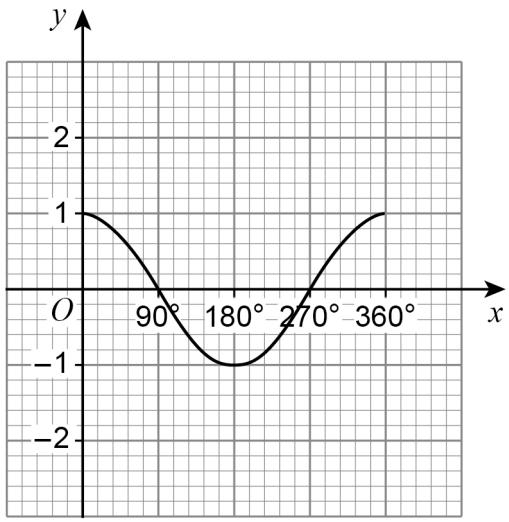
1 Circle the word that describes the graph $y = \sin x$

[1 mark]

periodic exponential cubic quadratic

1

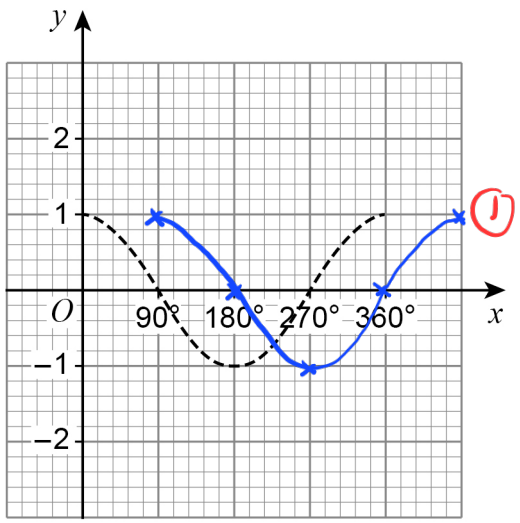
2 Here is the graph of $y = \cos x$ for $0° \leqslant x \leqslant 360°$



In parts (a) and (b) the graph of $y = \cos x$ is shown as a dashed line.

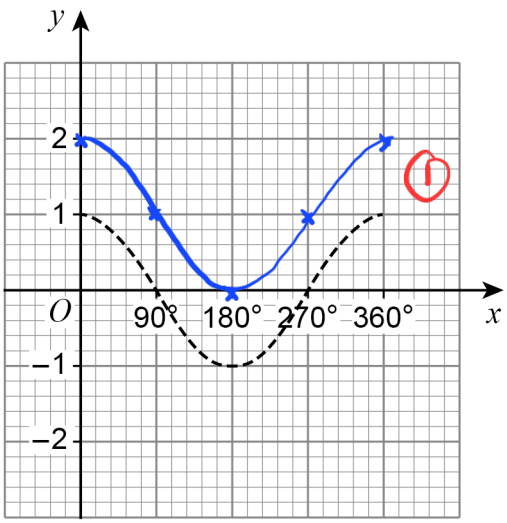
2 (a) On the grid below, draw the graph of $y = \cos (x - 90°)$ for $0° \leqslant x \leqslant 360°$

[1 mark]



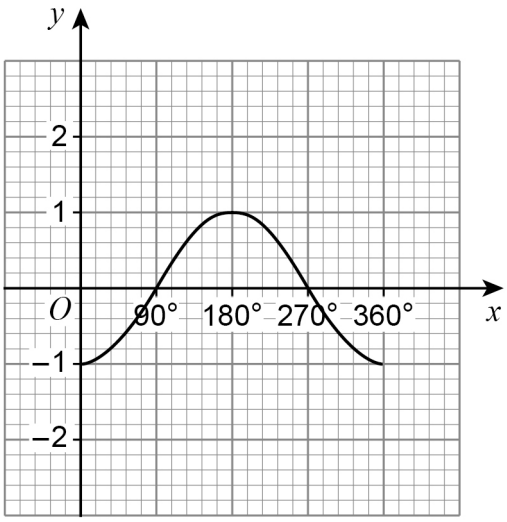
2 (b) On the grid below, draw the graph of $y = 1 + \cos x$ for $0° \leqslant x \leqslant 360°$

[1 mark]



2 (c) Rita tries to draw the graph of $y = \cos(-x)$ for $0° \leqslant x \leqslant 360°$

Here is her graph.



Give a reason why Rita's graph is incorrect.

[1 mark]

This is the graph of $y = -\cos x$ (1)