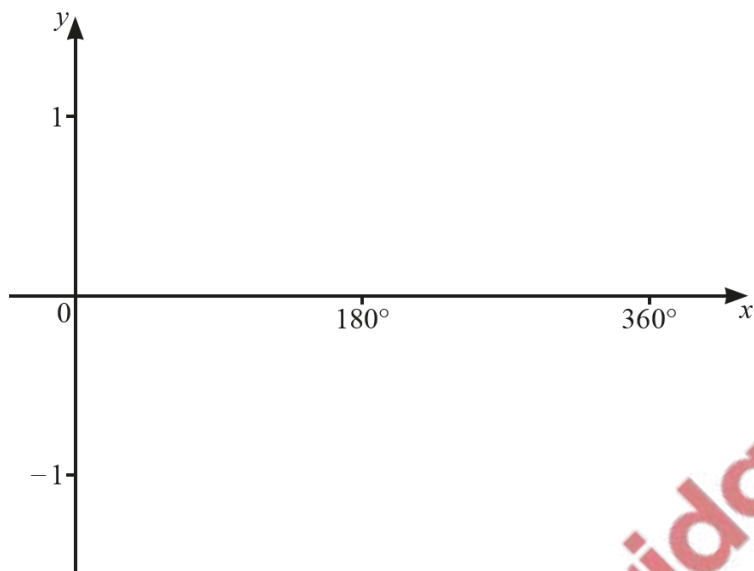


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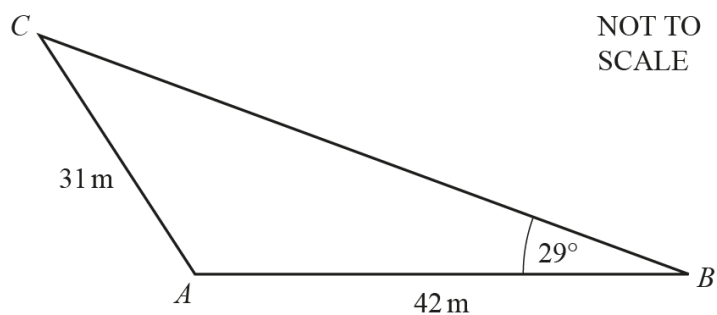
- (a) On the diagram, sketch the graph of $y = \cos x$ for $0^\circ \leq x \leq 360^\circ$.



[2]

- (b) Solve the equation $2 \cos x + 1 = 0$ for $0^\circ \leq x \leq 360^\circ$.

$x = \dots\dots\dots$ or $x = \dots\dots\dots$ [3]



- (a) B is due east of A .

Find the bearing of

- (i) C from B

..... [1]

- (ii) B from C .

..... [2]

- (b) Calculate obtuse angle BAC .



Angle BAC = [4]