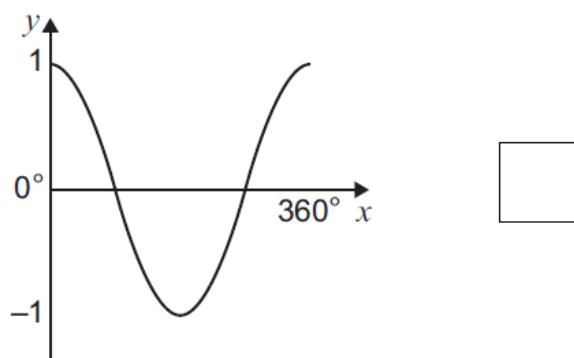
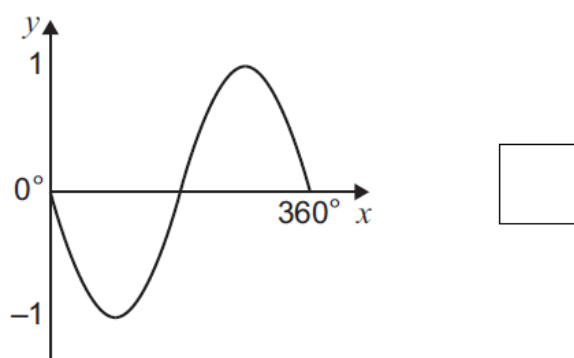
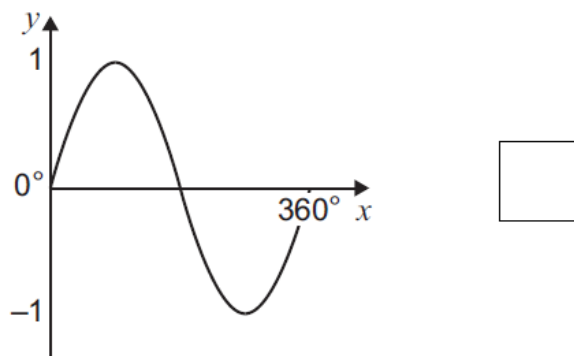


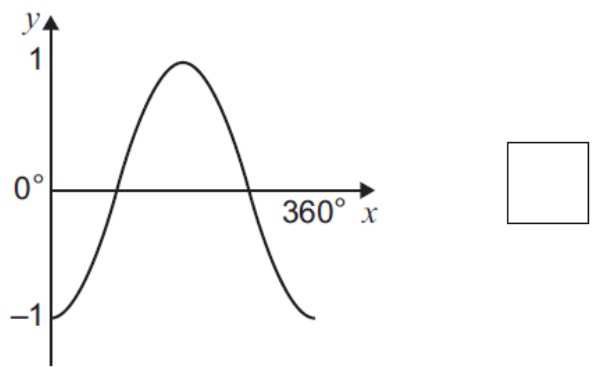
AQA – Trigonometry – AS Mathematics P2

1. June/2021/Paper_7356/2/No.2

One of the diagrams below shows the graph of $y = \sin(x + 90^\circ)$ for $0^\circ \leq x \leq 360^\circ$

Identify the correct graph.

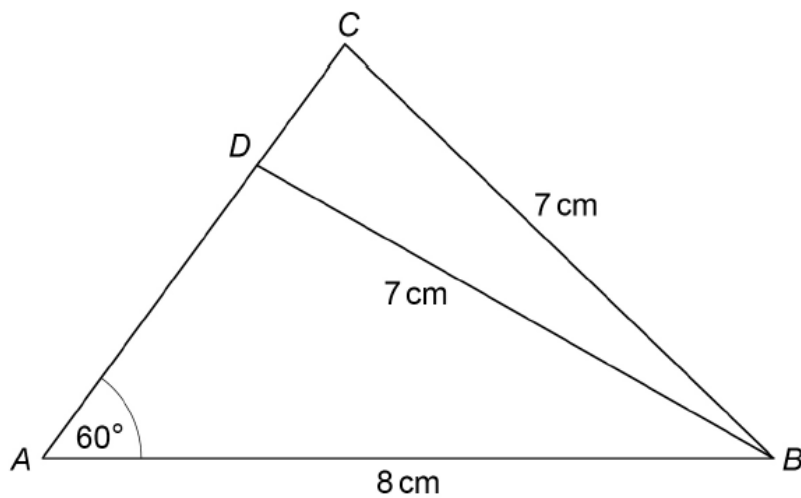
Tick (✓) **one** box.**[1 mark]**



2. June/2021/Paper_7356/2/No.5

ABC is a triangle. The point D lies on AC .

$AB = 8$ cm, $BC = BD = 7$ cm and angle $A = 60^\circ$ as shown in the diagram.



(a) Using the cosine rule, find the length of AC .

[3 marks]

(b) Hence, state the length of AD .

[1 mark]