## <u>Trigonometry – AS Mathematics P1</u>

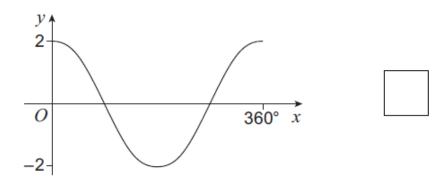
1. June/2022/Paper\_7356/01/No.2

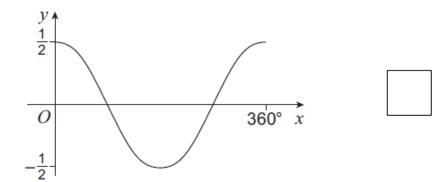
The graph of the function  $y = \cos \frac{1}{2}x$  for  $0^{\circ} \le x \le 360^{\circ}$  is one of the graphs shown below.

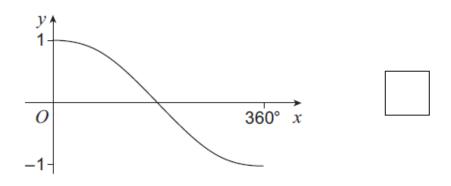
Identify the correct graph.

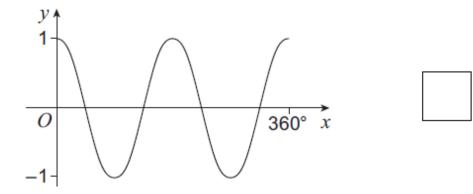
Tick (✓) one box.

[1 mark]









## 2. June/2022/Paper\_7356/01/No.4

Find all the solutions of the equation

$$\cos^2\theta = 10\sin\theta + 4$$

for 0°  $\,<\theta<\,$  360°, giving your answers to the nearest degree.

Fully justify your answer.

[5 marks]