ENGLAND GCSE MATHS AQA HIGHER · UNIT 4 · 5 QUESTIONS

Algebra, Graphs — Practice Test

This practice test was made by AI and there may be mistakes. If a question or answer looks wrong, use the Flag a mistake button to let Brett know so he can fix it.

1 **A sunflower grows 2 cm every week. The gradient of its height-time graph is**

- A 3
- B 1
- C 2
- D 4

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2 **The graph of $y = 2^x$ passes through the point with $x = 4$. The value of y is**

- A 32
- B 15
- C 16
- D 8

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3 **A line is perpendicular to y = 1/2x + 3. The gradient of the perpendicular line is**

- **A** $\frac{1}{2}$
- **B** 2
- **C** -2
- **D** -1/2

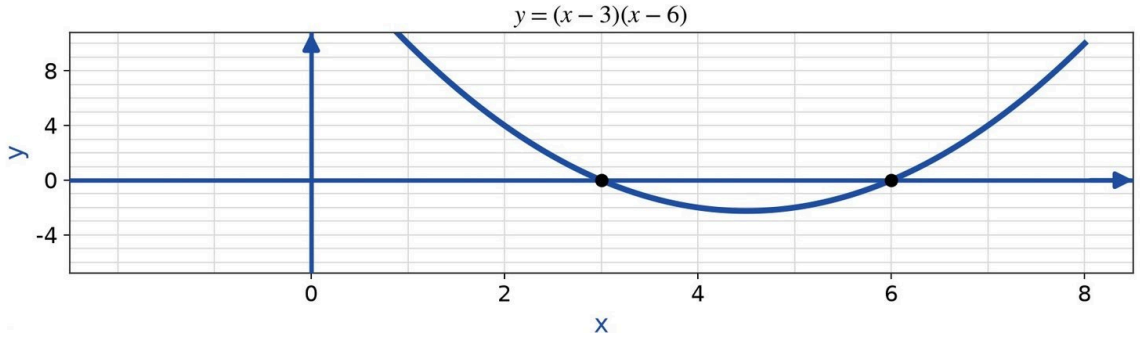
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4 **A kite string has gradient $\frac{3}{2}$. It goes 6 m across. How high is the kite?**

- **A** 6
- **B** 15
- **C** 9
- **D** 12

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5 **The graph below shows $y = x^2 - 9x + 18$. The roots of the equation $x^2 - 9x + 18 = 0$ are**



A x = 3 and x = -6

B x = 3 and x = 6

C x = 4 and x = 6

D x = -3 and x = -6

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ANSWER KEY

1. C
2. C
3. C
4. C
5. B

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