ENGLAND GCSE MATHS EDEXCEL HIGHER · UNIT 4 · 5 QUESTIONS

Algebra, Graphs — Practice Test

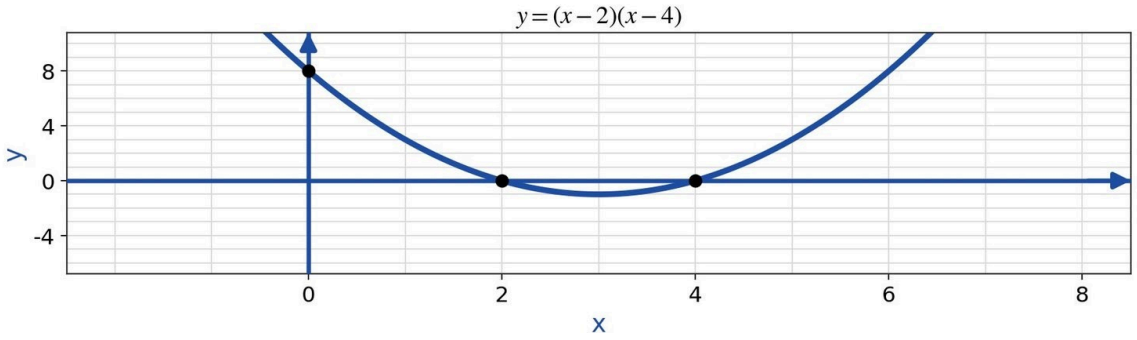
This practice test was made by AI and there may be mistakes. If a question or answer looks wrong, use the Flag a mistake button to let Brett know so he can fix it.

1 **A ladder leans against a wall. It rises 3 m for every 5 m it goes across. The gradient of the ladder is**

- **A** $\frac{1}{2}$
- **B** $\frac{3}{5}$
- **C** $\frac{5}{3}$
- **D** $\frac{4}{5}$

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2 **The graph shows y = x² - 6x + 8. The roots of the equation x² - 6x + 8 = 0 are**



A x = 2 and x = 4

B x = -2 and x = -4

C x = 3 and x = 4

D x = 2 and x = -4

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3 **The graph of $y = f(x - 3)$ is the graph of $y = f(x)$ moved**

- **A** 3 units down
- **B** 3 units up
- **C** 3 units right
- **D** 3 units to the left

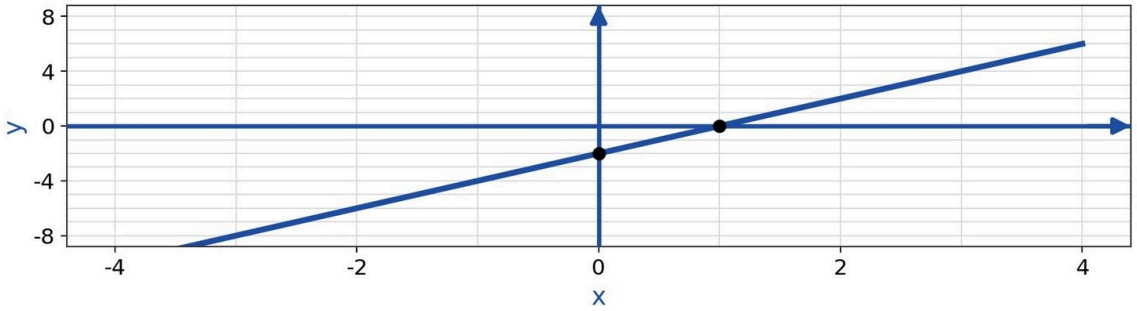
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4 **A passenger aeroplane climbs 300 m for every 3000 m it travels forwards. The gradient of its flight path is**

- **A** 10
- **B** $\frac{3}{40}$
- **C** $\frac{1}{10}$
- **D** $\frac{2}{15}$

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5 **The graph shows a straight line through (0, -2). The gradient of the line is**



A 4

B -2

C 2

D 3

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ANSWER KEY

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

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