ENGLAND GCSE MATHS AQA HIGHER · UNIT 5 · 5 QUESTIONS

Algebra, Equations and Inequalities — 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 bicycle costs x pounds. After a £25 discount it costs £150. The value of x is**

- A £185
- B £150
- C £175
- D £125

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2 **Solve 2x + 3 = 15**

A x = 7

B x = 8

C x = 5

D x = 6

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3 **Solve 3x + 3 = x + 19**

A x = 7

B x = 8

C x = 9

D x = 6

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4 **Solve $x^2 - 2x - 3 = 0$**

- **A** $x = -3$
- **B** $x = -3$ or $x = 1$
- **C** $x = -3$ or $x = 2$
- **D** $x = 3$ or $x = -1$

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5 **The formula $v = u + at$ gives $v = 25$ when $u = 7$, $a = 3$ and $t = 6$. Rearrange the formula to make t the subject.**

- **A** $t = v - u/a$
- **B** $t = (v - u) \times a$
- **C** $t = v + u/a$
- **D** $t = v - u - a$

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ANSWER KEY

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

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