ENGLAND GCSE MATHS OCR FOUNDATION · UNIT 3 · 5 QUESTIONS

Algebra, Notation, Vocabulary and Manipulation — Practice Test

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1 **The height of a rocket, in metres, after t seconds is $h = 25t - 5t^2$. When $t = 3$, the height is**

- **A** 30
- **B** 35
- **C** 75
- **D** 25

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2 **A tennis ball costs a pounds. The total cost, in pounds, of 5 tennis balls is**

- **A** 5a
- **B** a + 5
- **C** $5a^2$
- **D** a^5

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3 **Give your answer in its simplest form 3a + 3b + 3a - 2b, where a is the number of red apples and b is the number of lemons.**

- **A** 6a
- **B** b
- **C** 6a + b
- **D** 6a + 5b

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4 **Factorise $x^2 - x - 30$**

- **A** $(x - 5)(x + 6)$
- **B** $(x + 5)(x + 6)$
- **C** $(x + 5)(x - 6)$
- **D** $(x - 5)(x - 6)$

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5 **Give your answer in its simplest form $2p + 4b + 4p - 2b$, where p is the number of paintbrushes and b is the number of hardcover books.**

- **A** $2b$
- **B** $6p + 2b$
- **C** $6p + 6b$
- **D** $6p$

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ANSWER KEY

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

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