ENGLAND GCSE MATHS AQA FOUNDATION · UNIT 4 · 5 QUESTIONS

Algebra, Graphs — Practice Test

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1 A kite string has gradient $\frac{5}{4}$. It goes 8 m across. How high is the kite?

- A 5
- B 10
- C 15
- D 8

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2 The midpoint of the line joining (1, 3) and (3, 7) is

- A (1, 7)
- B (2, 5)
- C (1, 2)
- D (3, 3)

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3 **A wooden footbridge rises 3 m over a run of 9 m. Its gradient is**

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

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4 **A ladder leans against a wall. It rises 2 m for every 3 m it goes across. The gradient of the ladder is**

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

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5 **A line is parallel to y = 4x - 3. The gradient of the parallel line is**

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

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ANSWER KEY

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

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