ENGLAND GCSE MATHS AQA FOUNDATION · UNIT 11 · 5 QUESTIONS

Geometry, Pythagoras, Trigonometry and Vectors — 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 kite string is 20 m long and makes an angle of 30° with the ground. The height of the kite is**

- A 11
- B 9
- C 10
- D 20

Understand It with Pulse | Flag a mistake

2 **In a right-angled triangle, the hypotenuse is 6 cm and one angle is 30°. The side opposite the 30° angle is**

- A 4 cm
- B 3 cm
- C 2 cm
- D 6 cm

Understand It with Pulse | Flag a mistake

3 **A sailing ship sails 5 km east and then 12 km north. How far is it from its starting point?**

- A 13
- B 14
- C 17
- D 12

Understand It with Pulse | Flag a mistake

4 **In a right-angled triangle, one angle is 45° and the side next to it is 6 cm. The side opposite the 45° angle is**

- A 7 cm
- B 6 cm
- C 5 cm
- D 12 cm

Understand It with Pulse | Flag a mistake

5 **A rocket climbs at an angle of 30° to the ground and travels 600 m. Its height is**

- A 290
- B 600
- C 310
- D 300

Understand It with Pulse | Flag a mistake

ANSWER KEY

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

© 2026 Brett Robbins. All Rights Reserved.