ENGLAND GCSE MATHS AQA HIGHER · 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 14 m long and makes an angle of 30° with the ground. The height of the kite is**

- **A** 6
- **B** 8
- **C** 14
- **D** 7

Understand It with Pulse | Flag a mistake

2 **A passenger aeroplane takes off at an angle of 30° and flies 300 m. Its height is**

A 160

B 300

C 150

D 140

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

A 12

B 13

C 14

D 17

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4 **In a right-angled triangle, the hypotenuse is 16 cm and one angle is 60°. The side next to the 60° angle is**

- A 9 cm
- B 8 cm
- C 16 cm
- D 7 cm

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

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

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## ANSWER KEY

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

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