ENGLAND GCSE MATHS OCR 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 brown dog walks 9 m east and then 12 m north. How far is it from its starting point?**

- **A** 16
- **B** 15
- **C** 14
- **D** 21

Understand It with Pulse | Flag a mistake

2 **A passenger aeroplane takes off at an angle of 30° and flies 400 m. Its height is**

A 210

B 200

C 190

D 400

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3 **In a right-angled triangle, the hypotenuse is 8 cm and one angle is 30°. The side opposite the 30° angle is**

A 3 cm

B 5 cm

C 4 cm

D 8 cm

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4 **A sailing ship sails 6 km east and then 8 km north. How far is it from its starting point?**

- A 10
- B 11
- C 14
- D 9

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5 **In a right-angled triangle, the hypotenuse is 10 cm and one angle is 60°. The side next to the 60° angle is**

- A 6 cm
- B 10 cm
- C 5 cm
- D 4 cm

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## ANSWER KEY

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

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