ENGLAND GCSE MATHS EDEXCEL 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 sailing ship sails 5 km east and then 12 km north. How far is it from its starting point?**

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

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 190

C 400

D 200

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3 **A brown dog walks 6 m east and then 8 m north. How far is it from its starting point?**

A 10

B 14

C 9

D 11

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4 The exact value of sin 60° is

- A $\sqrt{2}/2$
- B 1
- C $\sqrt{3}/2$
- D $\sqrt{3}$

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5 The vector (8, 15) has magnitude

- A 17
- B 18
- C 16
- D 23

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ANSWER KEY

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

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