ENGLAND GCSE MATHS EDEXCEL HIGHER · UNIT 9 · 5 QUESTIONS

Geometry, Angles, Shapes, Constructions and Similarity — Practice Test

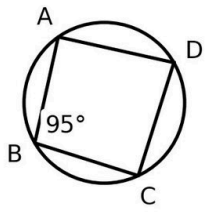
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1 **A set square is a right-angled triangle with angles 90 degrees, 30 degrees and one more. The third angle is**

- **A** 70
- **B** 60
- **C** 120
- **D** 30

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2 **In a quadrilateral in a circle, one angle is 95°. The opposite angle is**



- **A** 90°
- **B** 265°
- **C** 95°
- **D** 85°

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3 **The interior angle of a triangle is 114°. The exterior angle at the same vertex is**

- **A** 114°
- **B** 86°
- **C** 246°
- **D** 66°

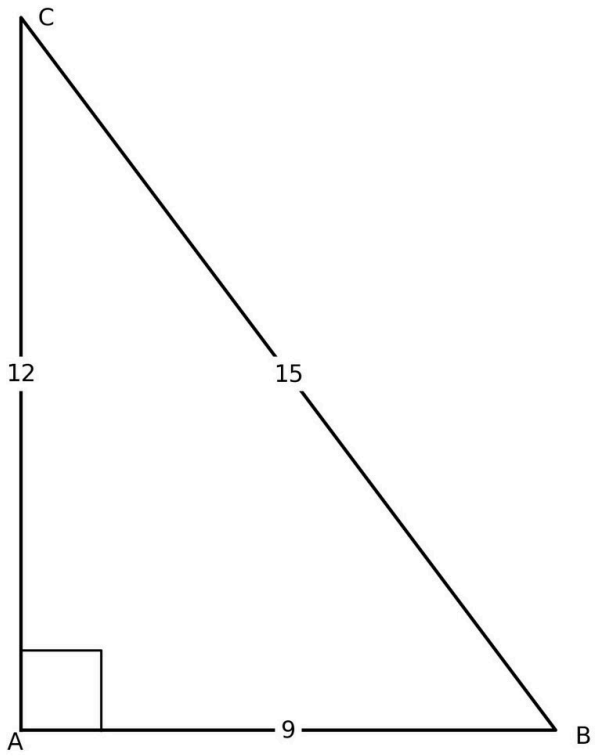
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4 **A ladder leans against a wall, making an angle of 65 degrees with the ground. The angle between the ladder and the wall is**

- A 65
- B 115
- C 35
- D 25

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5 **The diagram shows a right-angled triangle with sides 9 cm, 12 cm and 15 cm. A similar triangle has a shortest side of 27 cm. Its longest side is**



A 18 cm

B 60 cm

C 15 cm

D 45 cm

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ANSWER KEY

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

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