Circles and Coordinate Geometry — Practice Test

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1 **An inscribed angle intercepts an arc of 140°. The inscribed angle measures**

- A 140°
- B 70°
- C 280°
- D 35°

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2 **An inscribed angle measures 55°. Its intercepted arc measures**

A 55°

B 27.5°

C 110°

D 165°

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3 **In a quadrilateral inscribed in a circle, one angle measures 120°. The opposite angle measures**

A 60°

B 120°

C 180°

D 30°

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4 **A tangent segment of length 8 meets a secant with an outside segment of 4. The segment of the secant inside the circle has length**

- **A** 20
- **B** 12
- **C** 8
- **D** 4

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5 **Two chords intersect inside a circle. The segments of one chord are 5 and 6, and one segment of the other chord is 10. The other segment is**

- **A** 30
- **B** 15
- **C** 3
- **D** 10

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ANSWER KEY

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

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