ARIZONA GEOMETRY · UNIT 2 · 10 QUESTIONS

Circles and Coordinate Geometry — 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 **The distance between (1, 2) and (4, 6) is**

- A 25
- B 7
- C 9
- D 5

Understand It with Pulse | Flag a mistake

2 **The midpoint of (-2, 3) and (6, 9) is**

- **A** (4, 12)
- **B** (4, 6)
- **C** (2, 6)
- **D** (2, 3)

Understand It with Pulse | Flag a mistake

3 **A line has slope $-\frac{1}{3}$. A line parallel to it has slope**

- **A** $-\frac{1}{3}$
- **B** -3
- **C** 3
- **D** $\frac{1}{3}$

Understand It with Pulse | Flag a mistake

4 **A circle has center (-3, 1) and radius 6. Its equation is**

- **A** $(x + 3)^2 + (y + 1)^2 = 36$
- **B** $(x + 3)^2 + (y - 1)^2 = 36$
- **C** $(x - 3)^2 + (y + 1)^2 = 36$
- **D** $(x + 3)^2 + (y - 1)^2 = 6$

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5 **The circle $(x - 5)^2 + (y + 2)^2 = 49$ has radius**

- **A** 49
- **B** 7
- **C** 14
- **D** 24.5

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6 **An angle formed by a tangent and a chord intercepts an arc of 140°. The angle measures**

A 280°

B 140°

C 70°

D 35°

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7 **A radius to a point of tangency is perpendicular to the**

A diameter

B chord

C secant

D tangent line

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8 **A circle has circumference 30π. Its diameter is ____**

ANSWER _____

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9 **In a quadrilateral inscribed in a circle, one angle measures 110°. The opposite angle measures**

A 110°

B 180°

C 70°

D 20°

Understand It with Pulse | Flag a mistake

10 **The distance between (0, 5) and (12, 0) is ____**

ANSWER _____

Understand It with Pulse | Flag a mistake

ANSWER KEY

1.	D	**5.**	B	**9.**	C
2.	C	**6.**	C	**10.**	13
3.	A	**7.**	D		
4.	B	**8.**	30		

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