DELAWARE 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 **A circle has radius 4. Its area is**

- **A** 16π
- **B** 8π
- **C** 4π
- **D** 32π

Understand It with Pulse | Flag a mistake

2 **A circle has radius 7. Its circumference is**

- A 7π
- B 14π
- C 49π
- D 9π

Understand It with Pulse | Flag a mistake

3 **A circle has radius 12 and a central angle of 60°. The arc length is**

- A 12π
- B 5π
- C 4π
- D 2π

Understand It with Pulse | Flag a mistake

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

- **A** $x^2 + y^2 = 9$
- **B** $(x - 4)^2 + (y - 3)^2 = 3$
- **C** $x^2 + y^2 = 3$
- **D** $(x - 4)^2 + (y - 3)^2 = 9$

Understand It with Pulse | Flag a mistake

5 **An angle measures 58°. Its complement measures**

- **A** 148°
- **B** 32°
- **C** 122°
- **D** 58°

Understand It with Pulse | Flag a mistake

6 **An angle measures 158°. Its supplement measures**

A 248°

B 158°

C 22°

D 338°

Understand It with Pulse | Flag a mistake

7 **A circle has radius 8 and a central angle of 60°. The arc length is**

A 8π

B 3.67π

C 2.67π

D 1.33π

Understand It with Pulse | Flag a mistake

8 **A circle has center (-4, 2) and radius 2. Its equation is**

- **A** $x^2 + y^2 = 4$
- **B** $(x + 4)^2 + (y - 2)^2 = 2$
- **C** $x^2 + y^2 = 2$
- **D** $(x + 4)^2 + (y - 2)^2 = 4$

Understand It with Pulse | Flag a mistake

9 **The midpoint of the segment joining (0, 6) and (-4, -2) is**

- **A** (-2, 2)
- **B** (-4, 4)
- **C** (-2, 6)
- **D** (0, 2)

Understand It with Pulse | Flag a mistake

10 **An angle measures 24°. Its complement measures**

A 114°

B 66°

C 156°

D 24°

Understand It with Pulse | Flag a mistake

ANSWER KEY

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

© 2026 Brett Robbins. All Rights Reserved.