CONNECTICUT GEOMETRY · UNIT 2 · 25 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 7. Its circumference is**

- **A** 14π
- **B** 7π
- **C** 21π
- **D** 49π

Understand It with Pulse | Flag a mistake

2 **A circle has radius 5. Its circumference is**

A 5π

B 10π

C 17π

D 25π

Understand It with Pulse | Flag a mistake

3 **A circle has radius 14. Its circumference is**

A 14π

B 35π

C 28π

D 196π

Understand It with Pulse | Flag a mistake

4 **A circle has radius 3. Its circumference is**

A 3π

B 13π

C 9π

D 6π

Understand It with Pulse | Flag a mistake

5 **A circle has radius 10. Its circumference is**

A 20π

B 10π

C 27π

D 100π

Understand It with Pulse | Flag a mistake

6

A circle has radius 4. Its area is

A 8π

B 16π

C 20π

D 32π

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7

A circle has radius 6. Its area is

A 12π

B 40π

C 36π

D 72π

Understand It with Pulse | Flag a mistake

8 **A circle has radius 5. Its area is**

A 10π

B 29π

C 50π

D 25π

Understand It with Pulse | Flag a mistake

9 **A circle has radius 8. Its area is**

A 64π

B 16π

C 68π

D 128π

Understand It with Pulse | Flag a mistake

10 **A circle has radius 3. Its area is**

A 6π

B 9π

C 13π

D 18π

Understand It with Pulse | Flag a mistake

11 **A circle has radius 8. An arc with central angle 90 degrees has length**

A 9π

B 16π

C 4π

D 11π

Understand It with Pulse | Flag a mistake

12 **A circle has radius 12. An arc with central angle 90 degrees has length**

A 13π

B 24π

C 15π

D 6π

Understand It with Pulse | Flag a mistake

13 **A circle has radius 6. An arc with central angle 180 degrees has length**

A 6π

B 7π

C 12π

D 9π

Understand It with Pulse | Flag a mistake

14 **A circle has radius 18. An arc with central angle 60 degrees has length**

A 19π

B 6π

C 36π

D 21π

Understand It with Pulse | Flag a mistake

15 **A circle has radius 9. An arc with central angle 120 degrees has length**

A 10π

B 18π

C 6π

D 12π

Understand It with Pulse | Flag a mistake

16 **The distance between the points (0, 0) and (3, 4) is**

A 6

B 7

C 4

D 5

Understand It with Pulse | Flag a mistake

17 **The distance between the points (1, 2) and (4, 6) is**

A 5

B 6

C 7

D 4

Understand It with Pulse | Flag a mistake

18 The distance between the points (0, 0) and (6, 8) is

- A 11
- B 10
- C 12
- D 9

Understand It with Pulse | Flag a mistake

19 The distance between the points (2, 1) and (5, 5) is

- A 6
- B 7
- C 5
- D 4

Understand It with Pulse | Flag a mistake

20 The distance between the points (0, 3) and (4, 0) is

- A 6
- B 7
- C 4
- D 5

Understand It with Pulse | Flag a mistake

21 The midpoint of the segment joining (2, 4) and (6, 8) is

- A (4, 6)
- B (5, 6)
- C (4, 7)
- D (2, 4)

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22 The midpoint of the segment joining (1, 3) and (5, 7) is

- A (4, 5)
- B (3, 5)
- C (3, 6)
- D (1, 3)

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23 The midpoint of the segment joining (0, 0) and (8, 6) is

- A (5, 3)
- B (4, 4)
- C (4, 3)
- D (0, 0)

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24 The midpoint of the segment joining (3, 5) and (7, 9) is

- A (6, 7)
- B (5, 8)
- C (3, 5)
- D (5, 7)

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25 The midpoint of the segment joining (-2, 4) and (6, 10) is

- A (2, 7)
- B (3, 7)
- C (2, 8)
- D (-2, 4)

Understand It with Pulse | Flag a mistake

ANSWER KEY

1. A
2. B
3. C
4. D
5. A
6. B
7. C
8. D
9. A
10. B
11. C
12. D
13. A
14. B
15. C
16. D
17. A
18. B
19. C
20. D
21. A
22. B
23. C
24. D
25. A

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