CONNECTICUT 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 equation $(x - 2)^2 + (y - 3)^2 = 25$. Its center is**

- A (-2, 3)
- B (2, -3)
- C (2, 3)
- D (0, 0)

Understand It with Pulse | Flag a mistake

2 **A circle has equation $(x - 1)^2 + (y - 2)^2 = 16$. Its center is**

- A (-1, 2)
- B (1, -2)
- C (0, 0)
- D (1, 2)

Understand It with Pulse | Flag a mistake

3 **A circle has equation $(x + 1)^2 + (y - 2)^2 = 9$. Its center is**

- A (-1, 2)
- B (1, 2)
- C (-1, -2)
- D (0, 0)

Understand It with Pulse | Flag a mistake

4 **A circle has equation $(x - 4)^2 + (y + 2)^2 = 36$. Its center is**

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

Understand It with Pulse | Flag a mistake

5 **A circle has equation $(x - 1)^2 + (y - 1)^2 = 49$. Its center is**

- A (-1, 1)
- B (1, -1)
- C (1, 1)
- D (0, 0)

Understand It with Pulse | Flag a mistake

6 **A circle is centered at (3 , 1) with radius 4 . The r^2 is**

ANSWER _____

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7 **A circle is centered at (2 , -3) with radius 5 . The r^2 is**

ANSWER _____

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8 **A circle is centered at (0 , 4) with radius 2 . The r^2 is**

ANSWER _____

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9 **A circle is centered at (-2 , -1) with radius 6 . The r^2 is**

ANSWER _____

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10 **A circle is centered at (5 , 5) with radius 3 . The r^2 is**

ANSWER

Understand It with Pulse | Flag a mistake

ANSWER KEY

1.	C	**5.**	C	**9.**	36
2.	D	**6.**	16	**10.**	9
3.	A	**7.**	25		
4.	B	**8.**	4		

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