CONNECTICUT ALGEBRA II · UNIT 1 · 25 QUESTIONS

Functions and Graphs — 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 **For f(x) = 2x + 3 , f(4) is**

ANSWER _____

Understand It with Pulse | Flag a mistake

2 **For f(x) = 3x -1 , f(5) is**

ANSWER _____

Understand It with Pulse | Flag a mistake

3 **For f(x) = -2x + 7 , f(3) is**

ANSWER _____

Understand It with Pulse | Flag a mistake

4 **For f(x) = 4x + 1 , f(6) is**

ANSWER _____

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5 **For f(x) = 5x -3 , f(2) is**

ANSWER _____

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6 **For f(x) = x^2 - 4 , f(3) is**

ANSWER _____

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7 **For f(x) = x^2 - 4 , f(4) is**

ANSWER _____

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8 **For f(x) = x^2 - 4 , f(5) is**

ANSWER _____

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9 **For $f(x) = x^2 - 4$, $f(6)$ is**

ANSWER

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10 **For $f(x) = x^2 - 4$, $f(7)$ is**

ANSWER

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11 **The slope of the line through (1, 2) and (4, 8) is**

ANSWER

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12 **The slope of the line through (0, 1) and (3, 7) is**

ANSWER

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13 **The slope of the line through (2, 3) and (5, 9) is**

ANSWER _____

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14 **The slope of the line through (1, 5) and (4, 11) is**

ANSWER _____

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15 **The slope of the line through (0, 0) and (2, 6) is**

ANSWER _____

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16 **The y intercept of the line y = 2x + 3 is**

A (3, 0)

B (0, 2)

C (2, 3)

D (0, 3)

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17 **The y intercept of the line y = 3x -2 is**

A (0, -2)

B (-2, 0)

C (0, 3)

D (3, -2)

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18 **The y intercept of the line y = -1x + 5 is**

A (5, 0)

B (0, 5)

C (0, -1)

D (-1, 5)

Understand It with Pulse | Flag a mistake

19 **The y intercept of the line y = 4x + 1 is**

A (1, 0)

B (0, 4)

C (0, 1)

D (4, 1)

Understand It with Pulse | Flag a mistake

20 The y intercept of the line y = 1x + 7 is

- A (7, 0)
- B (0, 1)
- C (1, 7)
- D (0, 7)

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21 The vertex of $y = (x - 2)^2 + 3$ is

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

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22 The vertex of $y = (x + 1)^2 + 4$ is

- A (1, 4)
- B (-1, 4)
- C (-1, -4)
- D (0, 4)

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23 The vertex of $y = (x - 3)^2 - 2$ is

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

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24 The vertex of $y = (x - 1)^2 + 5$ is

- A (-1, 5)
- B (1, -5)
- C (0, 5)
- D (1, 5)

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25 The vertex of $y = (x - 4)^2 + 1$ is

- A (4, 1)
- B (-4, 1)
- C (4, -1)
- D (0, 1)

Understand It with Pulse | Flag a mistake

ANSWER KEY

1.	11	**10.**	45	**19.**	C
2.	14	**11.**	2	**20.**	D
3.	1	**12.**	2	**21.**	A
4.	25	**13.**	2	**22.**	B
5.	7	**14.**	2	**23.**	C
6.	5	**15.**	3	**24.**	D
7.	12	**16.**	D	**25.**	A
8.	21	**17.**	A		
9.	32	**18.**	B		

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