DELAWARE ALGEBRA II · UNIT 1 · 10 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 $f(x) = -2x^2 + 0x + 2$, find $f(-3)$.**

ANSWER _____

Understand It with Pulse | Flag a mistake

2 **The slope of the line through (0, 1) and (3, -3) is**

A $-\frac{3}{3}$

B $-\frac{4}{3}$

C 3/-4

D -4

Understand It with Pulse | Flag a mistake

3 **Solve: x + y = -3, x - y = -5. The solution is**

A (1, -4)

B (-4, -1)

C (-4, 1)

D (4, 1)

Understand It with Pulse | Flag a mistake

4 **Evaluate $1x^3$ when x = -1.**

ANSWER _____

Understand It with Pulse | Flag a mistake

5 **Solve $4x + 5 > 17$.**

A $x > 3$

B $x > 4$

C $x < 3$

D $x > 2$

Understand It with Pulse | Flag a mistake

6 **An arithmetic sequence starts with 3 and has common difference 5. The 8 term is**

ANSWER _____

Understand It with Pulse | Flag a mistake

7 **For $f(x) = -2x^2 + 1x + 2$, find $f(-2)$.**

ANSWER _____

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8 **The slope of the line through (5, 4) and (8, 2) is**

- A $-\frac{1}{3}$
- B 3/-2
- C -2
- D $-\frac{2}{3}$

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9 **Solve: x + y = -3, x - y = 1. The solution is**

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

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10 **Solve 4x + 5 > 25.**

A x > 6

B x < 5

C x > 5

D x > 4

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ANSWER KEY

1.	-16	**5.**	A	**9.**	A
2.	B	**6.**	38	**10.**	C
3.	C	**7.**	-8		
4.	-1	**8.**	D		

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