DELAWARE ALGEBRA II · UNIT 2 · 10 QUESTIONS

Polynomials and Rational Functions — 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 **Evaluate $1x^3$ when $x = -2$.**

ANSWER _____

Understand It with Pulse | Flag a mistake

2 **Simplify $\frac{4}{8}$.**

A $\frac{4}{9}$

B $\frac{1}{2}$

C $\frac{5}{8}$

D 4

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3 **The vertex of the parabola $y = (x - -3)^2 + -1$ is**

A (3, -1)

B (-3, 1)

C (-3, -1)

D (0, 0)

Understand It with Pulse | Flag a mistake

4 **For $f(x) = x^2 + 0x + 2$, find $f(-3)$.**

ANSWER _____

Understand It with Pulse | Flag a mistake

5 **The equation $x^2 + -1x + -12 = 0$ has solutions**

A -3 and 4

B 3 and -4

C -3 and -4

D 0

Understand It with Pulse | Flag a mistake

6 **Evaluate $2x^3$ when $x = 1$.**

ANSWER _____

Understand It with Pulse | Flag a mistake

7 Simplify $\frac{4}{4}$.

- **A** $\frac{4}{5}$
- **B** $\frac{5}{4}$
- **C** 1
- **D** 4

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8 For $f(x) = -1x^2 + 4x + 2$, find $f(2)$.

ANSWER _____

Understand It with Pulse | Flag a mistake

9 Evaluate $3x^3$ when $x = 2$.

ANSWER _____

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10 **Simplify $\frac{3}{6}$.**

A $\frac{3}{7}$

B $\frac{4}{6}$

C 3

D $\frac{1}{2}$

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ANSWER KEY

1.	-8	**5.**	A	**9.**	24
2.	B	**6.**	2	**10.**	D
3.	C	**7.**	C		
4.	11	**8.**	6		

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