ARKANSAS ALGEBRA II · UNIT 2 · 5 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 **The factored form of $x^2 - 3x - 10$ is**

- **A** $(x - 5)(x + 2)$
- **B** $(x + 5)(x - 2)$
- **C** $(x - 10)(x + 1)$
- **D** $(x + 10)(x - 1)$

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2 **The factored form of $x^2 + 8x + 15$ is**

- **A** $(x + 1)(x + 15)$
- **B** $(x + 3)(x + 5)$
- **C** $(x - 3)(x - 5)$
- **D** $(x + 5)(x - 3)$

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3 **The zeros of $y = (x + 1)(x - 6)$ are**

- **A** 1 and 6
- **B** -1 and -6
- **C** -1 and 6
- **D** 1 and -6

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4 **If $f(x) = x^3 - 3x + 2$, then $f(1)$ is**

A 2

B 1

C -1

D 0

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5 **Clear plastic semicircular protractor lies flat on a plain white surface, degree markings visible, no people. The degree of $5x^6 - 2x^4 + 9$ is**



A 6

B 5

C 2

D 3

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ANSWER KEY

1. A
2. B
3. C
4. D
5. A

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