ARIZONA 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 product (x - 5)(x + 5) is**

- **A** $x^2 + 25$
- **B** $x^2 + 10x - 25$
- **C** $x^2 - 25$
- **D** $x^2 - 10x + 25$

Understand It with Pulse | Flag a mistake

2 **The square $(3x + 2)^2$ is**

- **A** $9x^2 - 12x + 4$
- **B** $9x^2 + 12x + 4$
- **C** $3x^2 + 12x + 4$
- **D** $9x^2 + 4$

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3 **The factored form of $2x^2 + 8x + 6$ is**

- **A** $(2x + 1)(x + 3)$
- **B** $2(x - 1)(x - 3)$
- **C** $(x + 1)(x + 3)$
- **D** $2(x + 1)(x + 3)$

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4 The smaller zero of $x^2 + 2x - 15$ is



A 3

B -5

C 5

D -3

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5 **The degree of $5x^3 + 2x - 1$ is**

A 3

B 2

C 5

D 1

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ANSWER KEY

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

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