ALASKA 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 $x^2 - 11x + 24$ is**

- **A** $(x - 3)(x - 8)$
- **B** $(x + 3)(x + 8)$
- **C** $(x - 4)(x - 6)$
- **D** $(x - 3)(x + 8)$

Understand It with Pulse | Flag a mistake

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

- A 3
- B -3
- C 5
- D -5

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3 The remainder when $x^3 + 2x^2 - 1$ is divided by $x + 2$ is

- A 1
- B 7
- C -7
- D -1

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4 If $f(x) = 2x^2 - 5x + 1$, then $f(-3)$ is

- A 4
- B 34
- C 10
- D 28

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5 The vertical asymptote of $y = \frac{5}{2x - 6}$ is

- A $x = -3$
- B $x = 6$
- C $x = 3$
- D $x = -6$

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ANSWER KEY

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

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