CALIFORNIA ALGEBRA II · UNIT 2 · 5 QUESTIONS

Rational and Radical 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 solution of $\sqrt{3x + 1} = 4$ is



A 5

B $\frac{17}{3}$

C 3

D 15

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2 The simplified form of $x^2 - 25/x - 5$, for $x \neq 5$, is

- **A** x + 5
- **B** x - 25
- **C** x - 5
- **D** x + 25

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3 The solution of $\sqrt{x + 2} = x$ is

- **A** 1
- **B** -1 and 2
- **C** -1
- **D** 2

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4 The sum 1/x + 1/2x, for x ≠ 0, is

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

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5 The solution of $\sqrt{x + 3} + 1 = 5$ is

- **A** 13
- **B** 22
- **C** 19
- **D** 5

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ANSWER KEY

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

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