NEWFOUNDLAND AND LABRADOR MATHEMATICS 2201 · UNIT B · 10 QUESTIONS

Radicals and Radical Equations — 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 domain of $f(x) = \sqrt{x + 3}$ is**

- **A** $x \leq -3$
- **B** $x \geq -3$
- **C** $x > -3$
- **D** $x \geq 3$

Understand It with Pulse | Flag a mistake

2 **Recall the property. The equation $\sqrt{x} = -3$ has**

A one solution, x equals 9

B one solution, x equals -9

C no real solution

D infinitely many solutions

Understand It with Pulse | Flag a mistake

3 **Apply the property. The value of $\sqrt{2} \times \sqrt{2}$ is**

ANSWER _____

Understand It with Pulse | Flag a mistake

4 **Solve $2\sqrt{x} = 10$ for x. The value of x is**

ANSWER _____

Understand It with Pulse | Flag a mistake

5 The square root of 64 is

ANSWER _____

Understand It with Pulse | Flag a mistake

6 In simplest form, the square root of 45 is

A $3\sqrt{6}$

B $3\sqrt{5}$

C $4\sqrt{5}$

D 45

Understand It with Pulse | Flag a mistake

7 The coefficient of $\sqrt{5}$ in $6\sqrt{5} + 3\sqrt{5}$ simplified is

ANSWER _____

Understand It with Pulse | Flag a mistake

8 **Solve $\sqrt{x} = 6$ for x. The value of x is**

ANSWER _____

Understand It with Pulse | Flag a mistake

9 **Solve $\sqrt{x + 6} = 5$ for x. The value of x is**

ANSWER _____

Understand It with Pulse | Flag a mistake

10 **The cube root of 125 is**

ANSWER _____

Understand It with Pulse | Flag a mistake

ANSWER KEY

1. B
2. C
3. 2
4. 25
5. 8
6. B
7. 9
8. 36
9. 19
10. 5

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