NEW BRUNSWICK PRE-CALCULUS 110 · UNIT B · 10 QUESTIONS

Radical and Rational Expressions and 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 square root of 121 is

ANSWER _____

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2 The cube root of 27 is

A. 9

B. 81

C. 3

D. 6

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3 The equation square root of x = 7 has solution x =

ANSWER _____

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4 **An extraneous root can appear when you**

- **A** add the same number to both sides
- **B** multiply by one
- **C** square both sides of an equation
- **D** divide by a nonzero number

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5 **Rationalizing the denominator of $\frac{1}{\sqrt{2}}$ gives**

- **A** $\frac{2}{\sqrt{2}}$
- **B** $1 \div 2$
- **C** square root of 2
- **D** $\sqrt{2} \div 2$

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6 **The domain of square root of x requires x to be**

- **A** greater than or equal to zero
- **B** less than zero
- **C** any real number
- **D** greater than zero only

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7 **The square root of 100 is**

ANSWER _____

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8 **The cube root of 64 is**

ANSWER _____

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9 **The equation square root of x = 8 has solution x =**

ANSWER _____

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10 **The square root of 196 is**

ANSWER _____

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ANSWER KEY

1. 11
2. C
3. 49
4. C
5. D
6. A
7. 10
8. 4
9. 64
10. 14

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