NOVA SCOTIA PRE-CALCULUS 11 · UNIT B · 25 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 25 is**

ANSWER _____

Understand It with Pulse | Flag a mistake

2 **Solve square root of x = 2 . The value of x is**

ANSWER _____

Understand It with Pulse | Flag a mistake

3 **The square of the square root of 11 is**

ANSWER _____

Understand It with Pulse | Flag a mistake

4 **The cube root of 27 is**

A 3

B 27

C 6

D 9

Understand It with Pulse | Flag a mistake

5 **The excluded value for 1 / (x - 4) is x equals**

A -4

B 1

C 4

D 0

Understand It with Pulse | Flag a mistake

**6** **Rationalising means removing a radical from the**

- **A** Exponent only
- **B** Denominator
- **C** Variable only
- **D** Numerator only

Understand It with Pulse | Flag a mistake

**7** **Simplifying $\frac{x^2}{x}$ , for x not 0 , gives**

- **A** $1 \div x$
- **B** 0
- **C** x
- **D** $x^2$

Understand It with Pulse | Flag a mistake

**8** **Square root of $x^2$ , for x not negative , equals**

- A x
- B $x^2$
- C 0
- D -x

Understand It with Pulse | Flag a mistake

**9** **The expression $\frac{1}{x}$ is undefined when x equals**

- A 2
- B 0
- C 1
- D -1

Understand It with Pulse | Flag a mistake

10 **The square root of 36 is**

ANSWER

Understand It with Pulse | Flag a mistake

11 **Solve square root of x = 3 . The value of x is**

ANSWER

Understand It with Pulse | Flag a mistake

12 **The square of the square root of 13 is**

ANSWER

Understand It with Pulse | Flag a mistake

13 **The cube root of 27 is**

ANSWER

Understand It with Pulse | Flag a mistake

14 **The excluded value for 1 / (x + 3) is x equals**

A 3

B 0

C 1

D -3

Understand It with Pulse | Flag a mistake

15 **The square root of 49 is**

ANSWER _____

Understand It with Pulse | Flag a mistake

16 **Solve square root of x = 5 . The value of x is**

ANSWER _____

Understand It with Pulse | Flag a mistake

17 **The square of the square root of 17 is**

ANSWER _____

Understand It with Pulse | Flag a mistake

18 **The cube root of 64 is**

ANSWER _____

Understand It with Pulse | Flag a mistake

19 **The square root of 64 is**

ANSWER _____

Understand It with Pulse | Flag a mistake

20 **Solve square root of x = 7 . The value of x is**

ANSWER _____

Understand It with Pulse | Flag a mistake

21 **The square of the square root of 19 is**

ANSWER _____

Understand It with Pulse | Flag a mistake

22 **The square root of 81 is**

ANSWER _____

Understand It with Pulse | Flag a mistake

23 **The square root of 121 is**

ANSWER _____

Understand It with Pulse | Flag a mistake

24 **The square root of 169 is**

ANSWER _____

Understand It with Pulse | Flag a mistake

25 **The square root of 289 is**

ANSWER

Understand It with Pulse | Flag a mistake

# ANSWER KEY

1. 5
2. 4
3. 11
4. A
5. C
6. B
7. C
8. A
9. B
10. 6
11. 9
12. 13
13. 3
14. D
15. 7
16. 25
17. 17
18. 4
19. 8
20. 49
21. 19
22. 9
23. 11
24. 13
25. 17

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