SASKATCHEWAN FOUNDATIONS OF MATHEMATICS AND PRE-CALCULUS 10 · UNIT D · 25 QUESTIONS

Radicals, Irrational Numbers and Exponents — 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 value of 9^0 is**

- **A** 0
- **B** 1
- **C** 9
- **D** $\frac{1}{9}$

Understand It with Pulse | Flag a mistake

2 **In simplest form, $6\sqrt{3} + 5\sqrt{3}$ is**

- A $11\sqrt{6}$
- B $30\sqrt{3}$
- C $11\sqrt{3}$
- D $11\sqrt{9}$

Understand It with Pulse | Flag a mistake

3 **In simplest form, $\sqrt{100}$ is**

- A 5
- B 20
- C $2\sqrt{5}$
- D 10

Understand It with Pulse | Flag a mistake

4 **Using exponent laws, $x^9 \cdot x^3$ is**

A x^12

B x^27

C x^6

D x^11

Understand It with Pulse | Flag a mistake

5 **The value of 6^2 is**

ANSWER _____

Understand It with Pulse | Flag a mistake

6 **In simplest form, $2\sqrt{3} + 3\sqrt{3}$ is**

- A $5\sqrt{3}$
- B $5\sqrt{6}$
- C $6\sqrt{3}$
- D $5\sqrt{9}$

Understand It with Pulse | Flag a mistake

7 **In simplest form, $\sqrt{49}$ is**

- A 7
- B 8
- C 49
- D $\sqrt{50}$

Understand It with Pulse | Flag a mistake

8 **Using exponent laws, $x^3 \cdot x^3$ is**

- A x^9
- B x^6
- C x^0
- D x^5

Understand It with Pulse | Flag a mistake

9 **The value of 3^0 is**

- A 0
- B 1
- C 3
- D $\frac{1}{3}$

Understand It with Pulse | Flag a mistake

10 In simplest form, $4\sqrt{3} + 6\sqrt{3}$ is

- A $10\sqrt{6}$
- B $10\sqrt{3}$
- C $24\sqrt{3}$
- D $10\sqrt{9}$

Understand It with Pulse | Flag a mistake

11 In simplest form, $\sqrt{25}$ is

- A 6
- B 25
- C 5
- D $\sqrt{26}$

Understand It with Pulse | Flag a mistake

12 **The value of 7^2 is**

ANSWER _____

Understand It with Pulse | Flag a mistake

13 **In simplest form, $5\sqrt{3} + 4\sqrt{3}$ is**

A $9\sqrt{6}$

B $20\sqrt{3}$

C $9\sqrt{3}$

D $9\sqrt{9}$

Understand It with Pulse | Flag a mistake

14 In simplest form, $\sqrt{81}$ is

- **A** 10
- **B** 81
- **C** $\sqrt{82}$
- **D** 9

Understand It with Pulse | Flag a mistake

15 The value of 4^0 is

- **A** 0
- **B** 4
- **C** $\frac{1}{4}$
- **D** 1

Understand It with Pulse | Flag a mistake

16 In simplest form, $5\sqrt{3} + 5\sqrt{3}$ is

- A $10\sqrt{6}$
- B $25\sqrt{3}$
- C $10\sqrt{9}$
- D $10\sqrt{3}$

Understand It with Pulse | Flag a mistake

17 In simplest form, $\sqrt{144}$ is

- A 12
- B 6
- C 24
- D $2\sqrt{6}$

Understand It with Pulse | Flag a mistake

18 **The value of 9^2 is**

ANSWER _____

Understand It with Pulse | Flag a mistake

19 **In simplest form, $4\sqrt{3} + 2\sqrt{3}$ is**

A $6\sqrt{3}$

B $6\sqrt{6}$

C $8\sqrt{3}$

D $6\sqrt{9}$

Understand It with Pulse | Flag a mistake

20 **In simplest form, $\sqrt{16}$ is**

A 2

B 8

C 4

D $2\sqrt{2}$

Understand It with Pulse | Flag a mistake

21 **The value of 4^2 is**

ANSWER _____

Understand It with Pulse | Flag a mistake

22 In simplest form, $4\sqrt{3} + 5\sqrt{3}$ is

- A $9\sqrt{6}$
- B $20\sqrt{3}$
- C $9\sqrt{9}$
- D $9\sqrt{3}$

Understand It with Pulse | Flag a mistake

23 The value of 8^2 is

ANSWER _____

Understand It with Pulse | Flag a mistake

24 In simplest form, $6\sqrt{3} + 3\sqrt{3}$ is

- A $9\sqrt{3}$
- B $9\sqrt{6}$
- C $18\sqrt{3}$
- D $9\sqrt{9}$

Understand It with Pulse | Flag a mistake

25 The value of 6^0 is

- A 0
- B 1
- C 6
- D $\frac{1}{6}$

Understand It with Pulse | Flag a mistake

ANSWER KEY

1. B
2. C
3. D
4. A
5. 36
6. A
7. A
8. B
9. B
10. B
11. C
12. 49
13. C
14. D
15. D
16. D
17. A
18. 81
19. A
20. C
21. 16
22. D
23. 64
24. A
25. B

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