ALBERTA MATH 10C · UNIT 2 · 5 QUESTIONS

Roots and Powers — Practice Test

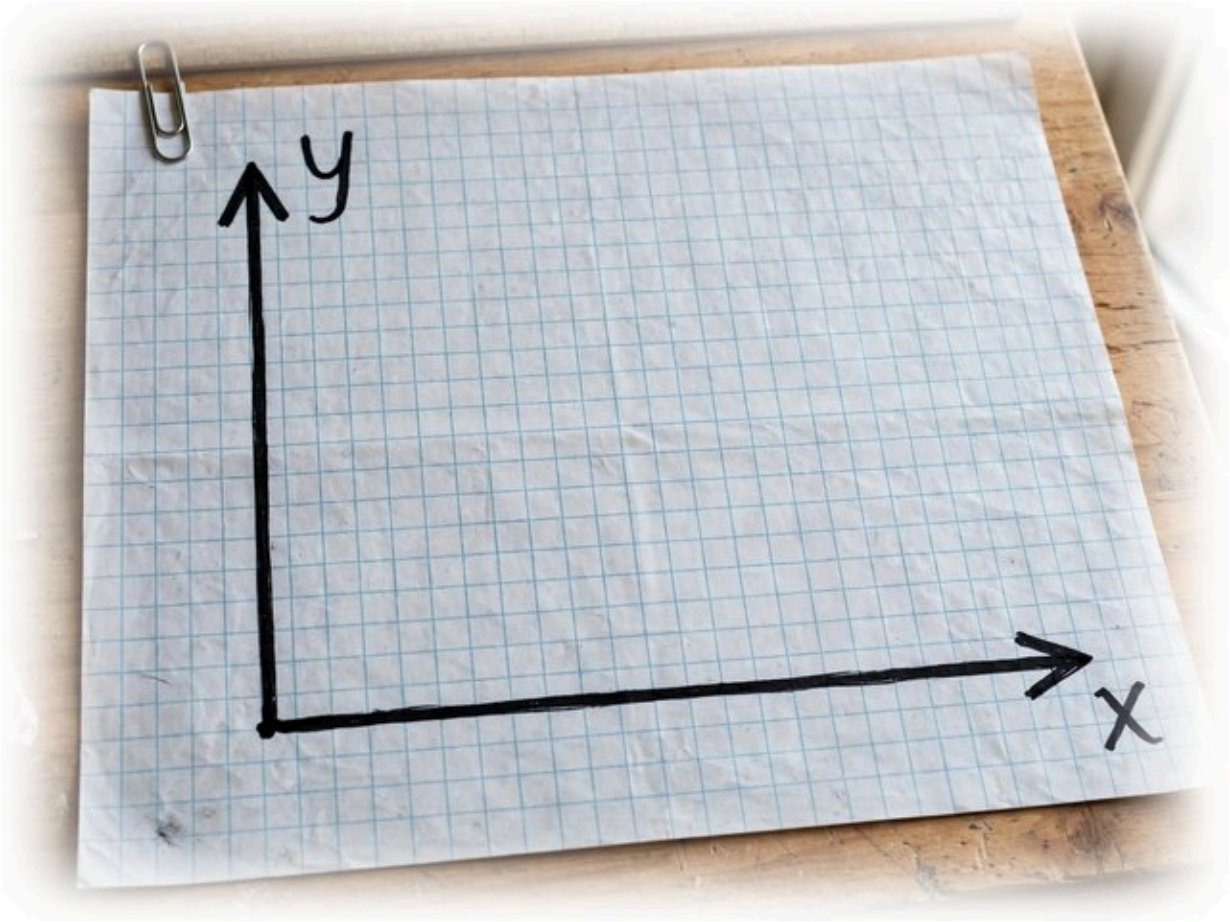
This practice test was made by AI and there may be mistakes. If a question or answer looks wrong, use the Flag a mistake button to let Brett know so he can fix it.

1 **The value of 3^{-3} is**

- **A** -27
- **B** $\frac{1}{27}$
- **C** $-\frac{1}{27}$
- **D** 27

Understand It with Pulse | Flag a mistake

2 **A coordinate grid shows x and y axes. When written as a mixed radical in simplest form, $\sqrt{72}$ is equal to**



A $3\sqrt{6}$

B $4\sqrt{3}$

C $6\sqrt{2}$

D $9\sqrt{2}$

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3 When written as an entire radical, $5\sqrt{6}$ is equal to

A $\sqrt{30}$

B $\sqrt{120}$

C $\sqrt{180}$

D $\sqrt{150}$

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4 If $3^x = 243$, then the value of x is ____.

ANSWER _____

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5 **The value of $27^{2/3}$ is**

A 9

B 18

C 6

D 81

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ANSWER KEY

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

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