ALBERTA MATH 20-2 · UNIT 5 · 5 QUESTIONS

Radicals — 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 simplified form of $\sqrt{6} + \sqrt{24}$ is

- A $3\sqrt{6}$
- B $\sqrt{30}$
- C $2\sqrt{6}$
- D $5\sqrt{6}$

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2 The product $4\sqrt{2} \cdot \sqrt{6}$, in simplest form, is

- A $4\sqrt{12}$
- B $4\sqrt{8}$
- C $8\sqrt{3}$
- D 24

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3 The simplified form of $\sqrt{300}$ is

A $10\sqrt{3}$

B $3\sqrt{10}$

C $6\sqrt{5}$

D $5\sqrt{6}$

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4 **A set of painted Russian nesting dolls stands in a row from largest to smallest on a wooden table. The values $4, \sqrt{17}, 3\sqrt{2}$ and $2\sqrt{5}$, written in order from smallest to largest, are**



A $3\sqrt{2}, 2\sqrt{5}, \sqrt{17}, 4$

B $4, 3\sqrt{2}, \sqrt{17}, 2\sqrt{5}$

C $\sqrt{17}, 4, 2\sqrt{5}, 3\sqrt{2}$

D $4, \sqrt{17}, 3\sqrt{2}, 2\sqrt{5}$

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5 The simplified form of $\sqrt{18} + \sqrt{8}$ is

A $\sqrt{26}$

B $3\sqrt{2}$

C $5\sqrt{2}$

D $7\sqrt{2}$

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ANSWER KEY

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

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