ALBERTA MATH 20-1 · UNIT 4 · 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 $\sqrt{98}$ is**

- A $2\sqrt{7}$
- B $14\sqrt{2}$
- C $7\sqrt{2}$
- D $\sqrt{96}$

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2 **Colourful spinner wheel is divided into four equal sections. Written as an entire radical, $3\sqrt{5}$ is equal to**



A $\sqrt{15}$

B $\sqrt{45}$

C $\sqrt{75}$

D $\sqrt{30}$

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3 The simplified form of $\sqrt{75} - \sqrt{12}$ is

- **A** $\sqrt{63}$
- **B** $7\sqrt{3}$
- **C** $3\sqrt{6}$
- **D** $3\sqrt{3}$

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4 The value of x that satisfies $\sqrt{2x - 1} = 7$ is

ANSWER _____

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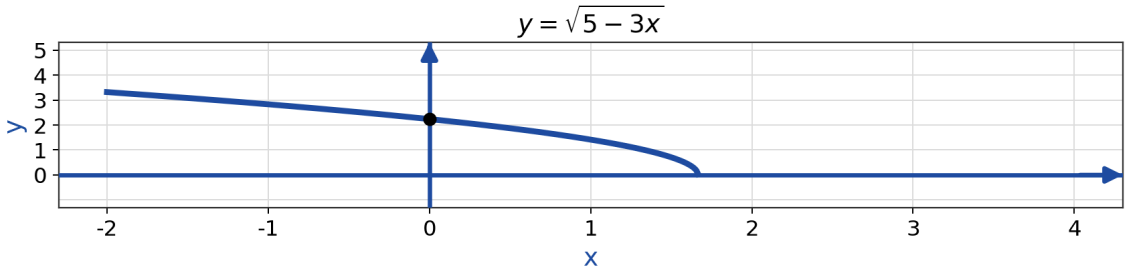
5 **The graph shown is a square root function. The domain restriction on x is**



A $x \geq \frac{5}{3}$

B $x \leq 5$

C $x \leq \frac{5}{3}$

D $x \geq -\frac{5}{3}$

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ANSWER KEY

1. C
2. B
3. D
4. 25
5. C

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