ALBERTA MATH 30-1 · 5 QUESTIONS

Rational Functions — 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 diagram below shows a rational function. Its non-permissible value is**

- **A** $x \neq 6$
- **B** $x \neq -6$
- **C** $x \neq \frac{1}{2}$
- **D** no restrictions

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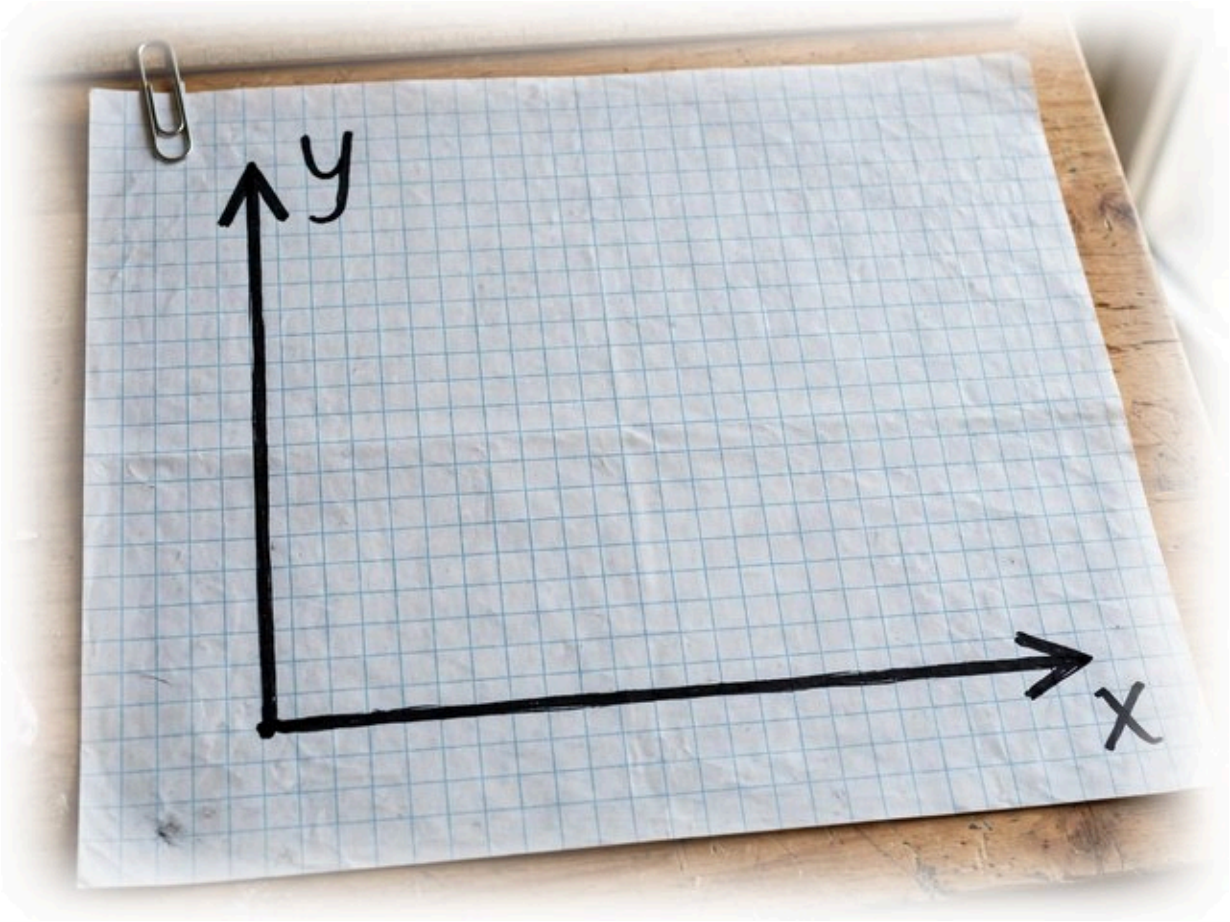
2 **A coordinate grid with bold x and y axes on graph paper. The y-intercept of the graph of y = x - 4 x + 2 is**



A 2

B -4

C -2

D $-\frac{1}{2}$

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3 The equation of the horizontal asymptote of the graph of $y = \frac{2x + 5}{x - 3}$ is

A $y = 0$

B $y = -2$

C $y = 2$

D $x = 3$

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4 The solution to the equation $\frac{4}{x - 1} = 2$ is

ANSWER _____

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5 **The vertical asymptotes of the graph of $y = \frac{5}{x^2 - 2x}$ are**

A x = 0

B x = 2

C x = -2 and x = 0

D x = 0 and x = 2

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ANSWER KEY

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

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