BRITISH COLUMBIA PRE-CALCULUS 12 (MPREC12) · UNIT A · 5 QUESTIONS

Transformations and Polynomial 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 **Shifting $y = x^3$ right 1 and down 4 gives**

- **A** $y = (x + 1)^3 + 4$
- **B** $y = (x + 1)^3 - 4$
- **C** $y = (x - 1)^3 + 4$
- **D** $y = (x - 1)^3 - 4$

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2 If (-3, 7) lies on y = f(x), then on y = f(-x) the point is

- A (-3, -7)
- B (3, 7)
- C (3, -7)
- D (-3, 7)

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3 If (2, 9) lies on y = f(x), then on y = f($\frac{x}{2}$) the point is

- A (1, 9)
- B (4, 9)
- C (2, 18)
- D (4, 18)

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4 **The leading coefficient of $5x^2 - 4x^3 + x - 6$ is**

- **A** -4
- **B** 5
- **C** 3
- **D** -6

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5 **The sum of the zeros of $(x + 5)(x - 2)(x - 4)$ is**

ANSWER _____

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ANSWER KEY

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

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