SASKATCHEWAN FOUNDATIONS OF MATHEMATICS 30 · UNIT D

Polynomial Functions and Data Analysis — Practice Test

Saskatchewan Foundations of Mathematics 30 • 10 questions

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 **A polynomial has a factor x minus 0. One zero of the polynomial is**

ANSWER _____

Understand It with Pulse | Flag a mistake

2 **The function y = (x - 2)(x + 1) has x-intercepts. The positive intercept is**

ANSWER _____

Understand It with Pulse | Flag a mistake

3 **A polynomial has a factor x minus 5. One zero of the polynomial is**

ANSWER _____

Understand It with Pulse | Flag a mistake

4 **A polynomial function of degree 2 has at most how many x-intercepts**

- **A** 3
- **B** 1
- **C** 2
- **D** 4

Understand It with Pulse | Flag a mistake

5 **Values of a function at x = 0 , 1 , 2 , 3 , 4 are 0 , 2 , 8 , 18 , 32 . The degree of the polynomial function is**

ANSWER _____

Understand It with Pulse | Flag a mistake

6 **A polynomial of degree 5 has leading coefficient -1. As x increases without bound, the function**

- A increases without bound
- B approaches 0
- C approaches a constant
- D decreases without bound

Understand It with Pulse | Flag a mistake

7 **A polynomial function of degree 3 has at most how many turning points**

ANSWER _____

Understand It with Pulse | Flag a mistake

8 **A polynomial has a factor x minus 3. One zero of the polynomial is**

ANSWER _____

Understand It with Pulse | Flag a mistake

9 **The function y = (x - 3)(x + 1) has x-intercepts. The positive intercept is**

ANSWER _____

Understand It with Pulse | Flag a mistake

10 **The function y = (x - 4)(x + 3) has x-intercepts. The positive intercept is**

ANSWER _____

Understand It with Pulse | Flag a mistake

ANSWER KEY

1. 0
2. 2
3. 5
4. C
5. 2
6. D
7. 2
8. 3
9. 3
10. 4

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