ONTARIO FUNCTIONS, GRADE 11, UNIVERSITY PREPARATION (MCR3U) · UNIT A · 5 QUESTIONS

Characteristics of 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 **A flooded residential street with brown floodwater covering the road, houses and trees reflected in the still water, overcast grey sky, no people, no text. The function f(x) = |x| reflected in the x axis and shifted up 3 units has equation**



A y = -|x| + 3

B y = |x| + 3

C y = -|x| - 3

D y = |x| - 3

Understand It with Pulse | Flag a mistake

2 **The function f(x) = |x| reflected in the x axis and shifted up 4 units has equation**

- **A** y = |x| + 4
- **B** y = -|x| + 4
- **C** y = -|x| - 4
- **D** y = |x| - 4

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3 **The function f(x) = |x| reflected in the x axis and shifted up 5 units has equation**

- **A** y = |x| + 5
- **B** y = -|x| - 5
- **C** y = -|x| + 5
- **D** y = |x| - 5

Understand It with Pulse | Flag a mistake

4 **A function is defined by f(x) = 1x + 2 for all real x. The value of f(3) is**

- A 6
- B 5
- C 4
- D 16

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5 **A function is defined by f(x) = 2x + 3 for all real x. The value of f(4) is**

- A 11
- B 12
- C 10
- D 13

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ANSWER KEY

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

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