ALBERTA MATH 20-2 · UNIT 8 · 5 QUESTIONS

Linear Relations and Systems — 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 graph shows a line through the origin. The slope of the line is**

- **A** $\frac{2}{5}$
- **B** 5
- **C** $\frac{5}{2}$
- **D** $-\frac{5}{2}$

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2 The y-intercept of the line $y = \frac{3}{4}x - 6$ is

- **A** -6
- **B** 6
- **C** $\frac{3}{4}$
- **D** $-\frac{3}{4}$

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3 A full tank holds 900 L of water and drains at a constant rate, emptying completely in 45 min. The rate of drainage, in litres per minute, is _____

ANSWER _____

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4 **A cyclist rides a bicycle along a country road. Renting a bicycle costs $8 plus $3 per hour. The equation that gives the total cost, C dollars, for h hours is**



A C = 8h + 3

B C = 3h + 8

C C = 11h

D C = 3h - 8

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5 **The graphs of y = 2x - 1 and y = -x + 8 intersect at the point**

A (5, 3)

B (3, -5)

C (-3, 5)

D (3, 5)

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ANSWER KEY

1. C
2. A
3. 20
4. B
5. D

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