ALBERTA MATH 10C · UNIT 5 · 5 QUESTIONS

Linear Functions — Practice Test

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1 **Blue car seen from behind driving on a highway in the right lane. A line drops 8 units for every 4 units it runs to the right. The slope of this line is**



A -2

B 2

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

D $\frac{1}{2}$

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2 **Two points on the line shown are marked. The slope of the line is**

- **A** $\frac{1}{3}$
- **B** -3
- **C** 3
- **D** 1

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3 **For the line with equation y = 5x - 2, the slope and the y-intercept are**

- **A** Slope: 5 y-intercept: 2
- **B** Slope: 5 y-intercept: -2
- **C** Slope: -2 y-intercept: 5
- **D** Slope: -5 y-intercept: -2

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4 The slope of the line passing through the points (4, 1) and (4, -5) is

- A 0
- B 1
- C -1
- D undefined

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5 The y-intercept of the line with equation 7x + 2y = 14 is ____

ANSWER _____

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ANSWER KEY

1. A
2. C
3. B
4. D
5. 7

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