NUNAVUT MATHEMATICS 10C · NUNAVUT

Nunavut Mathematics 10C
Practice Test

Unit 5: Linear Functions

10 Questions

Original practice test based on the Nunavut curriculum. Work through each question, then check your answers at the end.

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.

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Question 1

An equation of the line with slope -2 that passes through the point $(3,\ 4)$ is

A) $y = -2x - 2$

B) $y = 2x + 10$

C) $y = -2x + 10$

D) $y = -2x + 4$

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Question 2

The equation $4x - 3y = 12$ written in slope – intercept form is

A) $y = \frac{4}{3}x - 4$

B) $y = -\frac{4}{3}x - 4$

C) $y = \frac{4}{3}x + 4$

D) $y = \frac{3}{4}x - 4$

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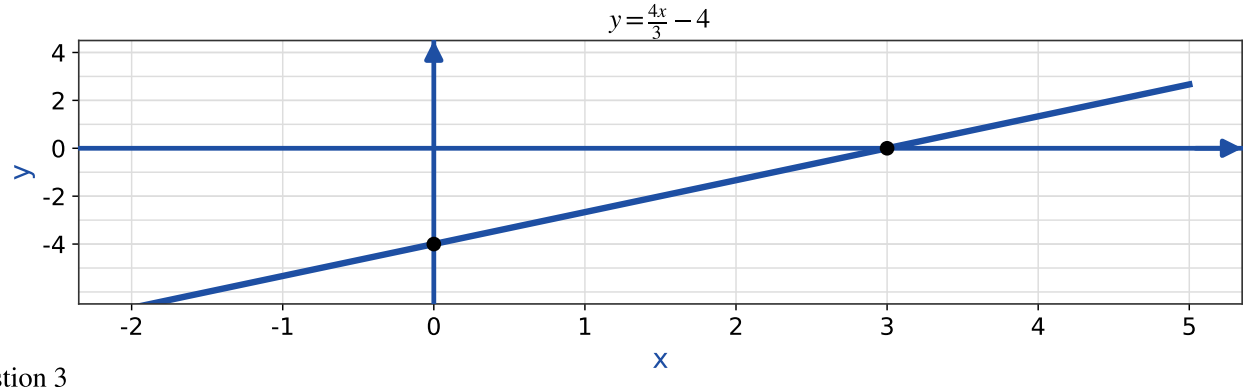

Question 3

The line shown is the graph of an equation. That equation is

A) $y = \frac{4}{3}x - 4$

B) $y = -\frac{4}{3}x - 4$

C) $y = \frac{4}{3}x + 4$

D) $y = \frac{3}{4}x - 4$

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Question 4

The slope of the line passing through the points $(0, -4)$ and $(3, 5)$ is ____

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Question 5

The x –intercept of the line with equation $y = -3x + 15$ is

A) -5

B) 15

C) -15

D) 5

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Question 6

A point that lies on the line with equation $y = 3x - 7$ is

A) $(0, 7)$

B) $(1, 4)$

C) $(2, -1)$

D) $(3, 0)$

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Question 7

Renting a car costs a flat fee of 45 dollars plus 0.25 dollars per kilometre driven. The total cost, in dollars, of renting the car and driving 240 km is ____

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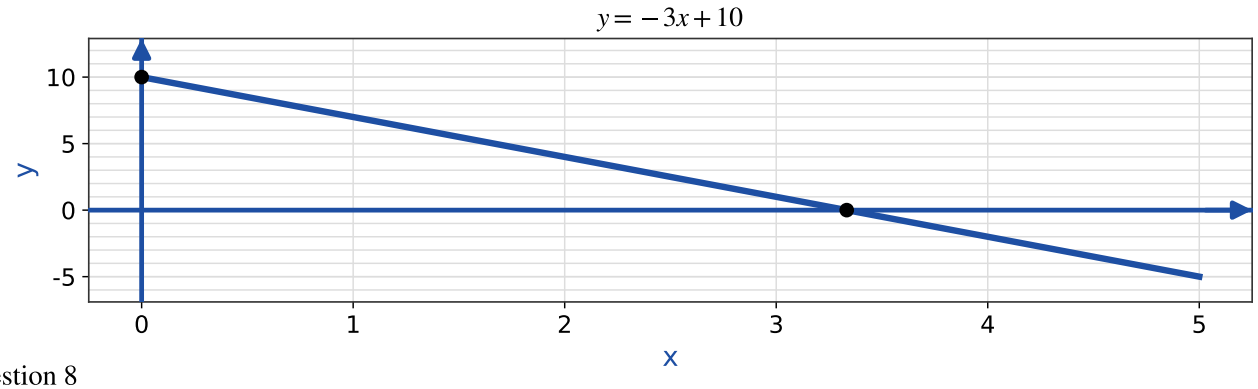

Question 8

Which equation represents the line shown?

A) $y = -3x + 10$

B) $y = -3x + 4$

C) $y = 3x + 4$

D) $y = -x + 8$

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Question 9

An equation of the line perpendicular to $y = -4x + 1$ that passes through the point $(0, 6)$ is

A) $y = 4x + 6$

B) $y = \frac{1}{4}x + 6$

C) $y = -4x + 6$

D) $y = \frac{1}{4}x - 6$

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Question 10

A candle is 24 cm tall and burns down at a rate of 1.5 cm per hour. The number of hours it takes for the candle to reach a height of 9 cm is ____

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ANSWER KEY

1. C
2. A
3. A
4. 3
5. D
6. C
7. 105
8. A
9. B
10. 10

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