BRITISH COLUMBIA FOUNDATIONS OF MATHEMATICS AND PRE-CALCULUS 10 (MFMP-10) · UNIT C · 10 QUESTIONS

Linear Relations and 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 **The y-intercept of the line y = -x + 6 is**

- A -1
- B 1
- C 6
- D -6

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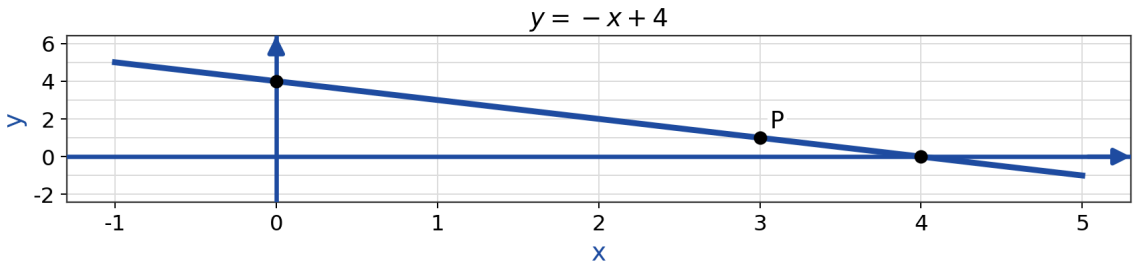
2 **The graph shows the line y = -x + 4. The value of y when x = 3 is**



- **A** 1
- **B** 7
- **C** -1
- **D** 4

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3 **The equation of the line with slope -4 and y-intercept 7 is**

- **A** y = 4x + 7
- **B** y = -4x + 7
- **C** y = 7x - 4
- **D** y = -4x - 7

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4 **The equation of the line through (2, 1) with slope 5, in slope-point form, is**

- **A** y - 1 = 5(x - 2)
- **B** y + 1 = 5(x + 2)
- **C** y - 2 = 5(x - 1)
- **D** y - 1 = -5(x - 2)

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5 **When written in general form, y = -3x + 2 becomes**

- **A** 3x + y - 2 = 0
- **B** 3x - y - 2 = 0
- **C** -3x + y + 2 = 0
- **D** 3x + y + 2 = 0

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6 **The slope of the line 2x - 4y = 8 is**

- **A** 2
- **B** $-\frac{1}{2}$
- **C** $\frac{1}{2}$
- **D** -2

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7 **A line perpendicular to y = 3x - 2 has slope**

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

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8 **The x-intercept of the line y = 2x - 10 is**

A 5

B -10

C -5

D 10

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9 **If h(x) = 6x - 5 and h(x) = 25, then the value of x is ____.**

ANSWER _____

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10 **The lines $y = -2x + 3$ and $y = \frac{1}{2}x + 3$ are**

A Parallel

B Perpendicular

C The same line

D Neither parallel nor perpendicular

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ANSWER KEY

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

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