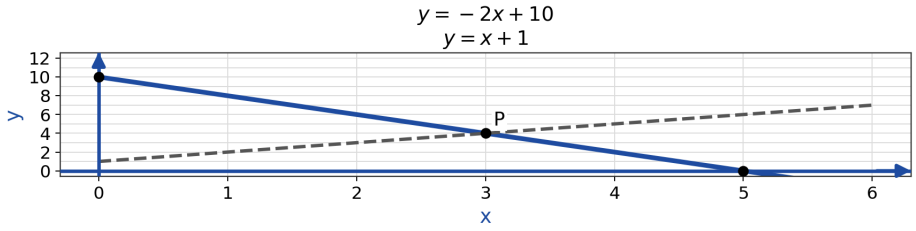
NORTHWEST TERRITORIES FOUNDATIONS OF MATHEMATICS AND PRE-CALCULUS 10 (MFMP-10) · UNIT D · 5 QUESTIONS

# Linear Systems, Trigonometry and Measurement — 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 the lines y = -2x + 10 and y = x + 1. The solution of the system formed by the two lines is**




A (3, -4)

B (-3, 4)

C (4, 3)

D (3, 4)

Understand It with Pulse

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2 **A student works out a system of equations in a notebook. Solve the system y = -x + 9, 2x + y = 13. The value of x in the solution is ____.**



ANSWER _____

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3 **Solve the system x + 2y = 11, x - y = 2. The solution is**

A (5, 3)

B (3, 5)

C (5, 4)

D (4, 3)

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4 **A shop sells notebooks for 5 dollars and folders for 3 dollars. On one day, 28 items were sold for a total of 116 dollars. The number of notebooks sold was ____.**

ANSWER _____

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**5** **In the triangle, AB = 9, AC = 12, and BC = 15, with a right angle at A. The value of sin C is**

- **A** $\frac{9}{15}$
- **B** $\frac{12}{15}$
- **C** $\frac{9}{12}$
- **D** $\frac{12}{9}$

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## ANSWER KEY

1. D
2. 4
3. A
4. 16
5. A

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