ONTARIO PRINCIPLES OF MATHEMATICS, GRADE 10, ACADEMIC (MPM2D) · UNIT B · 5 QUESTIONS

Linear 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 **A large architectural blueprint of a house floor plan spreads on a wooden desk. Plan A costs 30 dollars plus 2 dollars per hour. Plan B costs 8 dollars per hour. For how many hours do the two plans cost the same amount?**



ANSWER

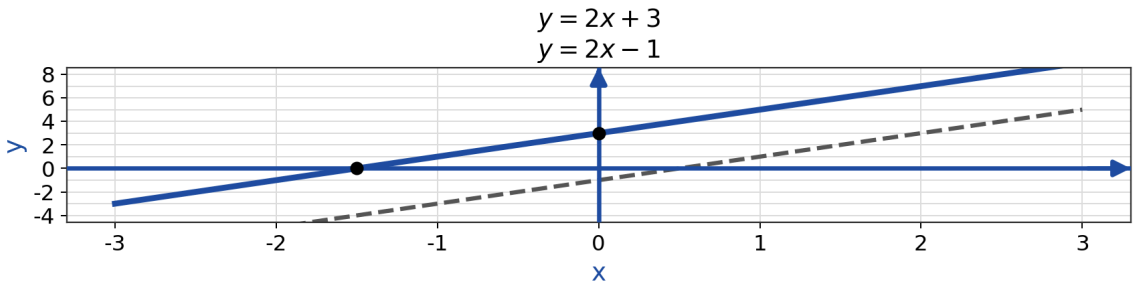
Understand It with Pulse | Flag a mistake

2 **Plan A costs 36 dollars plus 4 dollars per hour. Plan B costs 10 dollars per hour. For how many hours do the two plans cost the same amount?**

ANSWER

Understand It with Pulse | Flag a mistake

3 **The graph shows two lines. The system formed by the two lines has**



- **A** one solution
- **B** no solution
- **C** infinitely many solutions
- **D** two solutions

Understand It with Pulse | Flag a mistake

4 **Solve the system 2x + 3y = 12, 4x + 6y = 24. The system has**

- **A** infinitely many solutions
- **B** one solution
- **C** no solution
- **D** two solutions

Understand It with Pulse | Flag a mistake

5 **Solve the system y = 3x + 1, y = -x + 4. The system has**

A no solution

B one solution

C infinitely many solutions

D two solutions

Understand It with Pulse | Flag a mistake

ANSWER KEY

1. 5
2. 6
3. B
4. A
5. B

© 2026 Brett Robbins. All Rights Reserved.