

yo: Linear Equations Test for Class 9A

Description: This test focuses on understanding and applying linear equations, a fundamental concept in mathematics for Class 9.

Due Date: 432423

Test Instructions

- Objective Questions (Choose the correct answer and write the corresponding letter in your answer sheet.)
- Short-Answer Questions (Provide concise, step-by-step solutions.)

Test Questions

Objective Question

1. Which of the following is NOT a linear equation in one variable?

- A) $2x + 3 = 5$
- B) $x^2 = 4$
- C) $3x - 2 = 7$
- D) $\frac{x}{2} + 1 = 3$

Short-Answer Questions

2. Solve for x in the equation: $2x + 5 = 11$. Show all your steps.

3. Write the equation of a line that passes through the points $(2, 3)$ and $(4, 5)$. Use the slope-intercept form $y = mx + b$, where m is the slope and b is the y-intercept.

4. A bakery sells a total of 250 loaves of bread per day. They sell a combination of whole wheat and white bread. If they sell 50 more whole wheat loaves than white bread loaves, and if x represents the number of white bread loaves sold, write an equation to represent the situation and solve for x .
