Math
Practice Exam
Difficulty: medium

Math Practice Exam - Medium Difficulty

Name: _____

Date: _____

Section 1: Multiple Choice (1 point each)

Instructions: Choose the best answer for each question. Circle your answer.

1. What is the value of x in the equation 3x + 7 = 19?

   a) 2   b) 4   c) 6   d) 8

Answer: (Circle one) a) b) c) d)

Section 2: Short Answer (2 points each)

Instructions: Show your work and write your final answer in the space provided.

2. A rectangular garden has a length of (2x + 3) meters and a width of (x - 1) meters. If the area of the garden is 35 square meters, what is the value of x?

Answer:

Section 3: Problem Solving (3 points)

Instructions: Show your work and write your final answer in the space provided.

3. A train travels at a speed of 60 mph for 2 hours and then increases its speed to 75 mph for the next 3 hours. What is the average speed of the train during the entire 5-hour journey?

Answer:

Answer Key: (For Instructor Use Only)

1. b) 4

2. x = 4 (Show work demonstrating factoring or quadratic formula)

3. 69 mph (Show work demonstrating calculation of total distance and average speed)

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