

CS-583: Mathematics

Practice Exam

Generated on June 27, 2025

Difficulty: Easy

Important Notes:

- Answer all questions to the best of your ability
 - Show all work for partial credit
 - Use additional paper if needed
 - Time limit: 90 minutes
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1. If a rectangle has a length of 12 centimeters and a width of 5 centimeters, what is its perimeter? Explain the formula you used to calculate the perimeter and show your work. [20 points]

2. Sarah has 24 apples and wants to divide them equally among 6 friends. How many apples will each friend receive? Then, explain how you would solve this problem if she had 30 apples and 5 friends instead. [30 points]

3. What is the value of $35 + 17 - 12 \times 2$? Remember to follow the order of operations (PEMDAS/BODMAS) to ensure you arrive at the correct answer. Show your steps clearly. [50 points]