CS-455: 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 8 centimeters and a width of 5 centimeters, what is its perimeter? Explain how you calculated your answer, showing the formula used. [20 points]

2. Sarah has 15 apples and wants to share them equally among 3 friends. How many apples will each friend receive? Then, if she decides to keep 2 apples for herself, how many apples will each friend receive? [30 points]

3. What is the value of 25 + 12 - 7 x 2? Remember to follow the order of operations (PEMDAS/BODMAS). Show your steps to demonstrate your understanding of this mathematical principle. [50 points]