DEPARTMENT OF MATHEMATICS AND COMPUTER SCIENCE

MATH 05   Quiz 4

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Name: _____   Secret Name: _____

> **Directions:** You *must* show all your work in the provided space. Simplify your answers whenever possible. Be certain to indicate your final answer clearly.

1. The length of a rectangle is 4 units more than twice its width. Find the dimensions of the rectangle if its perimeter is 26 units.

2. At 3:30 pm two buses leave a town heading in opposite directions. One bus travels 50 mph and the other 60 mph, what time is it when they are 330 miles apart?

3. Solve the following inequality. Give your answer in interval notation.

$$-2(3x + 2) - 5 \geq -10x + 3$$

4. Student Eks Y. Zee, attends this class. At the end of the semester she has an average of 75 in the quizzes, a 70 in the first midterm and an 80 on the second midterm. What score on the final will ensure her a grade of 80 or more?