

**BRONX COMMUNITY COLLEGE**  
of the City University of New York

**DEPARTMENT OF MATHEMATICS AND COMPUTER SCIENCE**

MATH 05X  
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Quiz 4  
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Name: \_\_\_\_\_

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. Solve the following inequality. Graph the solution set in the number line and express the solution in interval notation.

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

3. Give three solutions of the equation:  $2x - 3y = 6$

4. Complete  $(\quad, 1)$  and  $(-2, \quad)$  to solutions, of the equation:

(a)  $y - 3x = -5$

(b)  $y = 1$

(c)  $x = -2$