Quiz 4   **Name:** _____
June 10, 2010

Directions: Show all work for full credit. Clearly indicate all answers. Simplify all mathematical expressions completely.

1. Consider the points (-1, 1) and (1, 7).

       a. What is the slope of the line that passes through these two points? (8 points)

       b. What is the equation of the line that passes through the two points? Give your answer in slope-intercept form. (10 points)

       c. Graph the line. (10 points)

2. Solve the following system of equations by the method of substitution: (12 points)

$$\begin{cases} x + 6\,y = 19 \\ x - 7\,y = -7 \end{cases}$$