

BRONX COMMUNITY COLLEGE
of the City University of New York

DEPARTMENT OF MATHEMATICS AND COMPUTER SCIENCE

MATH 05
Nikos Apostolakis

Quiz 7
October 31, 2008

Name: _____

1. Solve for x and y :
$$\begin{cases} 2x + 3y = 7 \\ y = 5 - 2x \end{cases}$$

2. Solve for x and y :
$$\begin{cases} 2x - 3y = -8 \\ 3x + 2y = 1 \end{cases}$$

3. Find the common points of the lines $y = -2x + 2$ and $y = -2x + 4$.

4. **Extra Credit:** A plane flies 480 mi, with the wind in 3 h. On the return trip along the same route, against the wind the plane takes 4 h. What is the speed of the plane in still air? What is the speed of the wind?