

QUIZ #1, 8/28/07

MATH 54, FALL 2007

Show your work and justify your answers! Feel free to use both sides.

Name:

ID:

1. Using the systematic method demonstrated in lecture and section (i.e. by finding equivalent but simpler systems of equations), find all solutions to

$$\left\{ \begin{array}{rcl} 4x + 3y & = & 2 \\ x + y & = & 1 \end{array} \right\}$$

2. Again using the systematic method demonstrated in lecture and section, find all solutions to

$$\left\{ \begin{array}{rclcl} 2x + 3y + -4z & = & 6 \\ 3x + 3y & = & 6 \\ x & + & 4z & = & 0 \end{array} \right\}$$