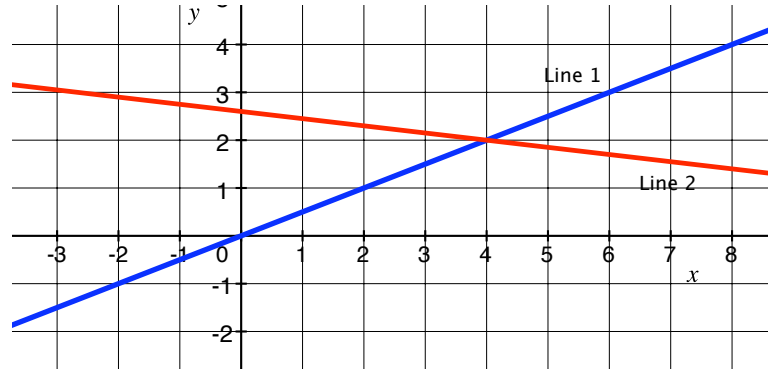


**Math 80 Quiz #5**  
**February 9, 2010**

Name: \_\_\_\_\_

Show all work on a separate sheet. Put a box around your final answer. No calculators are permitted.

1. (1 pt.) The following is a graph of two linear equations in a system. Is  $(2, 1)$  a solution to the system? Give a **brief explanation**.



2. (3 pts.) Solve  $\begin{cases} y = -\frac{3}{2}x + 2 \\ 6 + 2y = 2x \end{cases}$  by **graphing**. (Draw a nice set of axes and label the points you use.)
3. (3 pts.) Solve  $\begin{cases} 2x + y = 5 \\ x - 2y = -15 \end{cases}$  by **substitution**.
4. (3 pts.) Solve  $\begin{cases} \frac{1}{4}y = -x + 1 \\ 12x + 3y = 9 \end{cases}$  by **substitution**.