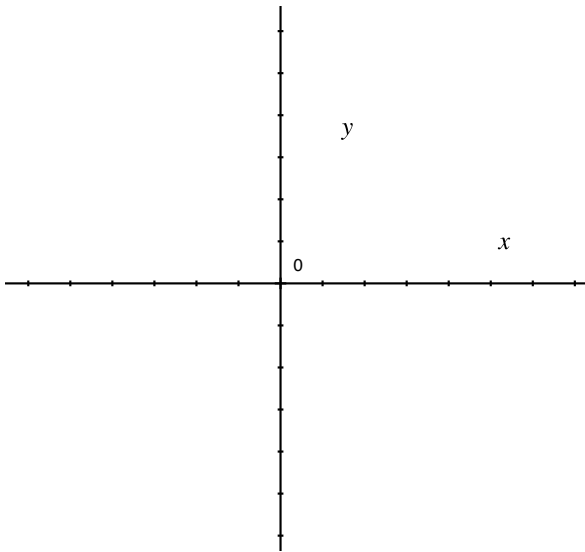


Math 80 Quiz #5
February 10, 2009

Name: _____

Show all work and simplify your answers as much as possible. Put a box around your final answer.

1. (3 pts.) Solve $\begin{cases} y = x + 3 \\ 4x + 2y = -6 \end{cases}$ by **graphing**. 2. (3 pts.) Solve $\begin{cases} 8y = 15 - 4x \\ x + 2y = 4 \end{cases}$ by **substitution**.



3. (2 pts.) Solve $\begin{cases} 2a + b = -8 \\ -2a + 4b = 28 \end{cases}$ by **elimination**.

4. (2 pts.) A company depreciates the value of a copier using a linear model. After 1 year, the copier is worth \$40,000. After 3 years, the copier is worth \$20,000. Find a linear equation relating the years since the copier was purchased, x , and its value, y . Write your final answer in slope-intercept form.