

NAME: _____

MATH 11009

HOMEWORK #9 (10 pts)

SPRING 2013

The last homework ☹️

**SHOW ALL WORK FOR FULL CREDIT — PLEASE CIRCLE YOUR FINAL ANSWER
EXACT ANSWERS ONLY – SIMPLIFY ALL ANSWERS**

**DUE: THURSDAY, MAY 2, 2013 AT THE BEGINNING OF CLASS
NO EXCEPTIONS!!!**

1. (2 pts) Solve the following system.

$$\begin{cases} 3x + \frac{1}{3}y = 13 \\ 4x - \frac{3}{2}y = -6 \end{cases}$$

2. (1 pt) Solve the following system.

$$\begin{cases} 16x - 2y = 4 \\ -24x + 3y = -6 \end{cases}$$

3. (2 pts) Solve the following system.

$$\begin{cases} x + 7y = 3 \\ \frac{5}{2}x + 6y = -4 \end{cases}$$

4. (2 pts) Solve the following system.

$$\begin{cases} 6x - 15y = -16 \\ 3x + 5y = 2 \end{cases}$$

5. (1 pt) Solve the following system.

$$\begin{cases} 4x - 2y = 6 \\ -6x + 3y = 5 \end{cases}$$

6. (2 pts) Solve the following system.

$$\begin{cases} 3x + \frac{7}{2}y = \frac{3}{4} \\ -\frac{1}{2}x + \frac{5}{3}y = -\frac{5}{4} \end{cases}$$