**04 - Standard: Systems of Equations Extra Practice** Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Algebra 1 Final Exam Review

**Substitution: When one variable is already by itself.**

Example: $\begin{matrix}y=7x-5\\2x+y=13\end{matrix}$

Try some on your own:

1. $\begin{matrix}x=10-y\\y-x=-4\end{matrix}$ 2. $\begin{matrix}y=5-x\\4x+2y=10\end{matrix}$

**Equal Values Method: When both equations are solved for the same variable.**

Example: $\begin{matrix}y=x-2\\y=-2x+1\end{matrix}$

Try some on your own:

1. $\begin{matrix}y=2x-3\\y=-x+3\end{matrix}$ 2. $\begin{matrix}x=3y-1\\x=6y+8\end{matrix}$

**Elimination: When both equations have the variables on the same side (standard form: ax + by = c)**

Example: $\begin{matrix}6x-2y=-16\\4x+y=1\end{matrix}$

Try some on your own:

1. $\begin{matrix}2x-3y=-9\\x+y=-2\end{matrix}$ 2. $\begin{matrix}-4x+5y=0\\-6x+5y=-10\end{matrix}$