I. Elimination-Steps are on page 464, if needed. Remember what Consistent and Inconsistent mean?

$$
\begin{gathered}
\begin{array}{c}
(4) \\
\mathrm{Ex} 15 \mathrm{x}+3 \mathrm{y}=(4) \\
(3) 2 x-4 y=14(3) \\
20 x+12 y=36 \\
\frac{5}{2} 6 x-12 y=42 \\
\hline \frac{36 x}{26}=\frac{78}{26} \\
x=3
\end{array} \\
\hline \frac{2}{2}=3
\end{gathered}
$$

$$
5(3)+3 y=9
$$

$$
15+3 y=9
$$



$$
\begin{aligned}
& \begin{aligned}
E x 2)(2)_{x-2 y=3}(2) \\
-2 x+4 y=1
\end{aligned} \\
& \left\{\begin{array}{r}
8 x-4(y=6 \\
-2 x+4) \\
0
\end{array}\right. \\
& 0=1
\end{aligned}
$$

February 19, 2014

$$
\begin{aligned}
& \text { Ex } 3)_{(-2)_{2 x-y=1}(-2)}^{4 x-2 y=2} 4 \\
& \left\{\begin{array}{l}
-4 x+2 y=-2 \\
2+4 x-2 y=2
\end{array}\right. \\
& 0=0 \text { true, infinitely many solutions }
\end{aligned}
$$

