$\qquad$
Graph the following systems on the coordinate plane to identify the solution to the system.

1) $\left\{\begin{array}{l}2 x-3 y=-1 \\ y=x-1\end{array}\right.$

2) $\left\{\begin{array}{l}3 x+y=5 \\ 5 x-4 y=-3\end{array}\right.$


Use the graphing capabilities of your calculator to find the solution to the system of equations.
3) $\left\{\begin{array}{l}y=3.76 x-3.4 \\ y=-2.4 x+6\end{array}\right.$
4) $\left\{\begin{array}{l}2 y=15 x-4 \\ y=-4.11 x-1\end{array}\right.$

Solve the following systems of equations using substitution.
5) $\left\{\begin{array}{l}-7 x-2 y=-13 \\ x-2 y=11\end{array}\right.$
6) $\left\{\begin{array}{l}x=2 y-6 \\ 4 y=2 x+12\end{array}\right.$
7) $\left\{\begin{array}{c}-5 x+y=-3 \\ 3 x-8 y=24\end{array}\right.$
8) On Monday Joe bought 10 cups of coffee and 5 doughnuts for his office at the cost of $\$ 16.50$. It turns out that the doughnuts were more popular than the coffee. On Tuesday he bought 5 cups of coffee and 10 doughnuts for a total of $\$ 14.25$. How much was each cup of coffee?

