1. Solve by substitution. Check your answer.

$$
\begin{aligned}
& 3 x+10 y=9 \\
& x=6 y-11
\end{aligned}
$$

3. Graph each system of linear inequalities.
a) $x-3 y>-6$

$$
x \leq 2
$$

b) $-1 \leq y<4$

$$
y>-\frac{3}{2} x
$$

c) $2 x+4 y \leq 4$

$$
3 x-2 y>4
$$

2. 

Imelda purchased 5 pair of shoes and 3 purses for\$1467. Later, she purchased 7 purses and 3 pair of shoes for $\$ 1551$.
a) Write a system of equations to find the cost of a pair of shoes and the cost of a purse.
b) Solve your system of equations and state the cost of a pair of shoes and the cost of a purse.
4. Solve by elimination.

$$
6 x-8 y=14
$$

$$
-15 x+20 y=-35
$$

5. What does the graph of the system in \#4 above look like?
Classify the system as inconsistent, dependent, or independent.
