$$3x + 10y = 9$$
$$x = 6y - 11$$

3. Graph each system of linear inequalities.

a)
$$x-3y>-6$$

 $x \le 2$

$$b) -1 \le y < 4$$
$$y > -\frac{3}{2}x$$

c)
$$2x + 4y \le 4$$
$$3x - 2y > 4$$

- 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. 6x-8y=14

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

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