Substitution Worksheet

Directions: Solve for x and y...be sure to put your final answer in coordinate form (,   ).

1) 2x + 8y = 20
    y = 2

2) y = 5
    2x + y = 13

3) y = 7x - 5
    y = 2x

4) 4x + 7y = 19
    y = x + 9

5) $y = 2x - 1$
    $2x - 3y = -9$

6) $y = x - 11$
    $2y - 4x = 14$

7) Von Miller from the Denver Broncos earns $6,750,000 more than Patrick Peterson of the Arizona Cardinals. Together the players earn a total of $26,250,000. Write a system of equations and solve to find out how much each player makes. Use the variables given below in your equations. (You will need two equations…)

V = Von Miller
P = Patrick Peterson