ALGEBRA I	NAME:
SUBSTITUTION Practice 1	PER:
Solve by substitution.	
1 4 7	

1.
$$x = 4y - 7$$
 2. $x + 2 = y$
 $3x + 4y = -5$
 $3x + y = -14$

3. You are looking at renting a room for a reception. The first place has a down payment of \$100 and will cost you \$20 per person. The second place has no down payment and will cost you \$40 per person. How many people will it be when the 2 location costs are the same.

a.) Write a system of equations to model problem 4.

b.) Solve the systems using substitution to determine how many people it will be when the 2 location costs are the same.

