Lesson 4.3 ~ Solving Systems Using Tables

Name_____ Period_____ Date_____

Solve each system of equations using the given input-output tables.

1. $y = 4x - 3$ $y = -2x + 15$

x	y
0	
1	
2	
3	
4	

x	y
0	
1	
2	
3	
4	

SOLUTION: _____

2. $y = -3x + 1$ $y = 2 - 2x$

x	y
−4	
−3	
−2	
−1	
0	

x	y
−4	
−3	
−2	
−1	
0	

SOLUTION: _____

3. $y = x + 2$ $y = 3x - 6$

x	y

x	y

SOLUTION: _____

4. $y = \frac{1}{2}x - 3$ $y = 2x$

x	y

x	y

SOLUTION: _____

5. $y = -7 + 3x$ $y = 5x - 13$

x	y

x	y

SOLUTION: _____

6. $-2x + y = -1$ $y = 5(x + 2) - 2$

x	y

x	y

SOLUTION: _____

7. Mikayla put $212 in a savings account at the beginning of the year. At the end of each month, she withdrew $12 from her account. Matthew put $30 in his savings account at the beginning of the year. At the end of each month, he deposited $14 in his account. Let x represent the number of months which have passed and y represent the amount in each savings account.

a. Write an equation to represent the amount in Mikayla's savings account.

b. Write an equation to represent the amount in Matthew's savings account.

c. On the back of this worksheet, make input-output tables that show the amount in each account for the first 8 months.

d. When will Mikayla and Matthew have the same amount in their accounts?