Algebra I

7-3

Solving Systems: Linear Transformations Linear Transformation Method: Try to get a variable in the system to match up with the same coefficient, except one positive and one negative. Then add them.

Solve.

1) x+y=7Add. x-y=32 = 10

(5) + 9=7

9 = 2

(5) + 9=7

9 = 2

2)
$$12n + 3m = 18$$

$$(5n + 3m = 4)(-1)$$

$$12n + 3m = 18$$

$$-5n - 3m = -4$$

$$7n = 14$$

$$7n = 2$$

$$5(2) + 3m = 4$$

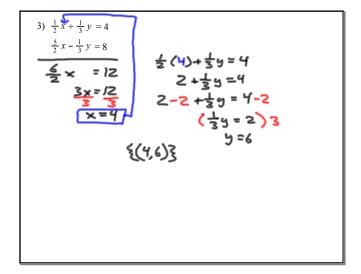
$$10 + 3m = 4$$

$$10 + 3m = 4$$

$$10 - 10 + 3m = 4 - 10$$

$$3m = -6$$

$$m = -2$$



Assignment: pg. 447 4-14 even, 15-33 odd, 39-42 all