## Algebra I

9-5

(Mixed Practice)

**Solving Systems:** Choose your Method Review of the Graphing Method

\*1) 
$$y = \frac{1}{2}x - 1$$
  $3x + 2y = 6$   
 $3x - 3x + 2y = -3x + 6$   
 $3x - 3x + 2y = -3x + 6$   
 $3x - 3x + 2y = -3x + 6$   
 $3x - 3x + 2y = -3x + 6$ 

What are the problems associated with the Graphing Method?

might cross off the graph, might not cross at a nice point, slow and inaccurate.

When is it advisable to use the Graphing Method?

Almost never. MAYBE if both are in yomath form.

Review of the Substitution Method. y=2(-2)+1 =-4+1 x+ 2(2x+1) = - 8 X+ 2(2x+, ) X+ 4x+ 2 = - 8 5x+ 2-2 = - 8-2 5x = -10 | x = - 2 =-3

What are the problems associated with the Substitution Method?

A lefter isn't always by HeelT.

Fractions can get nasty
Better than graphing, but still slow.
When is it a good idea to use the Substitution Method?
If a letter is by itself, might be fastest.

Review of the Linear Transformation Method.

\*3) 
$$2x + y = 5$$
  
 $+ x - y = 4$   
 $3x = 9$   
 $x = 3$   
 $(3) + y = 5$   
 $6 + y = 5$   
 $y = 7$   
 $(3, -1)$ 

When should I use the Linear Transformation Method? Almost always.

P9 433

1,3 > Graph 4,6 > Substitution 7,9 > Linear Transformation 10,12 -> Your Choice