Worksheet # 1:

Solve the Linear Equations Using the Substitution Method

Select one of the equations and solve the variable, then plug it into the other equation.

Ultimately, you’re trying to figure out where the lines intersect. Answers are on the 2nd page.

1.) *y* = −3*x*

 *y* = *x* – 8

2.) *y* = 3 *x*

 *y* = −8*x*

3.) *y* = −2*x*

 *y* =‐4*x* + 10

4.) *y* = −7*x*

 *y* =−4*x* – 12

5.) *y* = 3 *x*

 *y* =2*x* – 7

6.) *y* = 2 *x* + 3

 *y* = 3

7.) *y* = 6*x* + 22

 *y* = −8

8.) *y* =2 *x* – 5

 *y* =*x*

9.) *y* = 4*x* + 10

 *y* = −6

10.) *y* = 8

 *y* =−2 *x* + 22

11.) *y* = 4

 *y* =4 *x* – 24

12.) *y* = −6 *x*

 *y* =−3*x*