Your Name: Class :

## MODULE 7 – LESSON 2

## SUBSTITUTION

| Key Concept • Substitution Method | |
|---|---|
| **Step 1** | When necessary, solve at least one equation for one variable. |
| **Step 2** | Substitute the resulting expression from Step 1 into the other equation to replace the variable. Then solve the equation. |
| **Step 3** | Substitute the value from Step 2 into either equation, and solve for the other variable. Write the solution as an ordered pair. |

PRACTICE

Use substitution to solve the system of equations.

$5x + 3y = 5$
$x + 2y = -13$

<u>Step 1 : solve one equation for one variable</u>

x + 2y = -13

x =

<u>Step 2 : substitute the expression from step 1 in the other equation</u>

5x + 3y = 5

5(  ) + 3y = 5

y =

Step 3 : <u>substitute the value from step 2 in the first equation</u>

x =

x =

LIVEWORKSHEETS