

Name: Key

Date: \_\_\_\_\_

Period: \_\_\_\_\_

**3.1 Determining Solutions DAY THREE CYU** Use when you get it right all by yourself**S** Use when you did it all by yourself, but made a silly mistake**H** Use when you could do it alone with a little help from teacher or peer**G** Use when you completed the problem in a group**X** Use when a question was attempted but wrong (get help)**N** Use when a question was not even attemptedShow  
work for  
full credit!

CONCEPTS	BASIC	INTERMEDIATE	ADVANCED
Testing solutions	1 - 6		
Finding missing values of solutions	7 - 22		

**1 - 6: Determining whether each ordered pair is a solution of the given linear equation.**

1.  $2x + y = 7$ ; (3, 1); (7, 0); (0, 7)

yes, no, yes

4.  $y = -\frac{1}{2}x$ ; (0, 0); (4, 2)

yes, no

2.  $3x + y = 8$ ; (2, 3); (0, 8); (8, 0)

no, yes, no

5.  $x = 5$ ; (4, 5); (5, 4); (5, 0)

no, yes, yes

3.  $x = -\frac{1}{3}y$ ; (0, 0); (3, -9)

yes, yes

6.  $y = -2$ ; (-2, 2); (2, -2); (0, -2)

no, yes, yes

**7 - 10: Complete each ordered pair so that it is a solution of the given linear equation.**

7.  $x - 4y = 4$ ; (-4, -2), (4, 0)

9.  $y = \frac{1}{4}x - 3$ ; (-8, -5), (16, 1)

8.  $x - 5y = -1$ ; (-11, -2), (4, 1)

10.  $y = \frac{1}{5}x - 2$ ; (-10, -4), (15, 1)

11 – 22: Complete the table of ordered pairs for each linear equation.

11.  $y = -7x$

x	y
0	0
-1	7
$-\frac{2}{7}$	2

17.  $x + 3y = 6$

x	y
0	2
6	0
3	1

12.  $y = -9x$

x	y
0	0
-3	27
$-\frac{2}{9}$	2

18.  $2x + y = 4$

x	y
0	4
2	0
1	2

13.  $y = -x + 2$

x	y
0	2
-2	0
-3	5

19.  $y = 2x - 12$

x	y
0	-12
5	-2
3	-6

14.  $x = -y + 4$

x	y
4	0
0	4
7	-3

20.  $y = 5x + 10$

x	y
-2	0
-1	5
0	10

15.  $y = \frac{1}{2}x$

x	y
0	0
-6	-3
2	1

21.  $2x + 7y = 5$

x	y
0	$\frac{5}{7}$
$\frac{5}{2}$	0
-1	1

16.  $y = \frac{1}{3}x$

x	y
0	0
-6	-2
3	1

22.  $x - 6y = 3$

x	y
0	$-\frac{1}{2}$
1	$-\frac{1}{3}$
-3	-1

**CYU Reflection:** How far can you go: basic, intermediate, or advanced?

**Rate your mastery level!**

How confident are you with the skills this CYU covered? Circle the score you would give yourself.

