Name: _____ Date: _____ Class: _____ | GRADE: _____

Show all work clearly on another piece of paper.

DID YOU HEAR ABOUT the antelope who was getting dressed when he was trampled by a herd of buffalo?

Well,	1	2	3	4	5	6
7	8	9	10	11	12	13

Solve each system of equations by the substitution method. Write the word next to the correct answer in the box containing the exercise number.

1. $y = 3x$
$5x + 2y = 44$

2. $x = 5y - 1$
$x + 2y = 13$

3. $y = 2x + 7$
$3x - y = -9$

4. $-2x + 3y = 11$
$x = 4y - 3$

5. $y = 6x - 5$
$y = -x + 9$

6. $-3x + y = 7$
$5x + 2y = 3$

7. $x - y = 11$
$3x + 10y = -6$

8. $-4x + y = 4$
$2x + 2y = 13$

9. $x + y = 1$
$5x - 4y = -7$

10. $-5x + 3y = 11$
$x - 2y = 2$

11. $x + 9y = -1$
$2x + 4y = 5$

12. $-5x + y = 35$
$3x + 2y = -21$

$(-2, 2)$ OFTEN

$\left(\frac{1}{2}, -3\right)$ RANGE

$(9, 2)$ FAR

$(-7, 0)$ STAMPED

$(2, 7)$ KNOW

$\left(-\frac{1}{3}, \frac{4}{3}\right)$ FIRST

$(4, 12)$ AS

$(-1, -3)$ HOME

$(8, -3)$ WAS

$\left(\frac{7}{2}, -\frac{1}{2}\right)$ DRESSED

14 WESTERN

$(-7, -1)$ WE

$\left(-\frac{1}{3}, -1\right)$ BIGGEST

$(-1, 4)$ THIS

10 ANTELOPE

$(-4, -3)$ SELF

$(-2, 3)$ AS

$(2, 1)$ COWBOYS

$\left(\frac{1}{2}, 6\right)$ THE

$\left(-7, -\frac{1}{2}\right)$ DEFENSE

13. A math test is worth 100 points and has 30 problems. Each problem is worth either 3 points or 4 points. How many 4-point problems are there?

Solve the system of equations using multiplication with the addition method. Then cross out the letter next to the correct answer. When you finish, the answer to the title question will remain.

Letter	Answer
N	$(3,1)$
E	$(1,-5)$
I	$(2,-3)$
O	$(2,-1)$
N	$(-2,4)$
T	$56, 44$
A	$(4,0)$
R	$(-2,-5)$
E	$(1,4)$
C	$(-1,1)$
S	$65, 35$
I	$(0,2)$
E	$(5,-2)$
L	$(5,-3)$
B	$(-1,-3)$
U	$(0,-4)$
P	$(-2,-2)$
U	$(3,-6)$
R	$(4,3)$
O	$(-2,1)$
D	$72, 28$
A	$(5,0)$

1
$$3x + 2y = 11$$
$$7x - y = 3$$

2
$$3x - 4y = 18$$
$$x + 3y = -7$$

3
$$5x + 2y = -8$$
$$9x - 4y = -22$$

4
$$x - 5y = 15$$
$$4x - 3y = 26$$

5
$$2x + 5y = 11$$
$$-3x + 8y = -1$$

6
$$7x - 3y = 2$$
$$5x + 4y = -17$$

7
$$4x - 5y = -28$$
$$-9x - 2y = 10$$

8
$$2x + 3y = 10$$
$$3x - 10y = 15$$

9
$$-7x + 4y = -6$$
$$2x - 5y = 21$$

10
$$8x + 3y = -12$$
$$6x + 5y = -20$$

11
$$-4x - 9y = 1$$
$$-x + 2y = -4$$

12
$$5x - 12y = -16$$
$$-3x + 4y = 0$$

13 An algebra teacher drove by a farmyard full of chickens and pigs. The teacher happened to notice that there were a total of 100 heads and 270 legs. How many chickens were there? How many pigs were there?