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.
$$-5x + y = 35$$

 $3x + 2y = -21$

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?

$$(-2,2)$$
 OFTEN $\left(\frac{1}{2},-3\right)$ RANGE $\left(9,2\right)$ 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

 $\left(-rac{1}{3},-1
ight)$ BIGGEST

 $\frac{(-1,4) \text{ THIS}}{10 \text{ ANTELOPE}}$

(-4, -3) SELF

(-2,3) AS

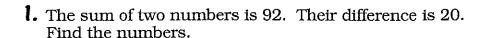
(2,1) COWBOYS

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

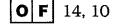
 $\left(-7,-\frac{1}{2}\right)$ DEFENSE

What Do You Get When You Cross a Monastery With a Lion?

Write the two letters for each correct answer in the two boxes with the exercise number.



- **2.** The difference of two numbers is 16. The greater number is 5 less than 4 times the smaller number. Find the numbers.
- **3.** A 100-foot cable is cut into two pieces. The first piece is 18 ft longer than the second. How long is each piece?
- **4.** Three apples and four bananas cost \$4.85. Three apples and ten bananas cost \$8.75. Find the cost of an apple.
- **5.** Stilt scored 5 points less than twice the number scored by Dunk. Together they scored a total of 43 points. How many points were scored by each player?
- **6.** Bert's age plus twice Ernie's age is 30. Three times Bert's age plus 8 times Ernie's age is 108. How old are Bert and Ernie?
- **7.** The Rocket Coaster has 15 cars, some that hold 4 people and some that hold 6 people. There is room for 72 people altogether. How many 4-passenger cars are there? How many 6-passenger cars are there?
- **8.** Tickets to the Valentine Dance cost \$3 per person or \$5 per couple. If \$475 worth of tickets were sold and 180 people attended the dance, how many couples were there?
- **9.** Pi High School ordered 40 science books. The next week, the school ordered 30 algebra books. The bill for the first order was \$360 greater than the bill for the second order. The two bills together totaled \$3960. Find the price of an algebra book.



L A 9, 6

A R 59 ft, 41 ft

E N \$0.82

I A \$60

N G 56, 36

S O 25, 18

F R 12, 9

E D 62

T H 57 ft, 43 ft

R P 23, 7

E E \$57

O A 65

R I 27, 16

S T 58, 38

C E \$0.75

E A 8, 7



