

Radio Raves

Why did the car radio have to go see a mechanic?

To find out, circle the letter in each problem that represents the solution to the linear system. Then write the corresponding letter above its problem number at the bottom of the page.

1. $x + y = 9$
 $-2x + y = -3$
 (H) (4, -2)
 (F) (4, 5)

6. $2x + y = -4$
 $5x + 3y = -6$
 (Y) (6, 5)
 (U) (-6, 8)

2. $-x + y = 7$
 $x + y = 9$
 (O) (1, 8)
 (U) (9, 2)

7. $x + y = 8$
 $-4x + y = -7$
 (N) (3, 5)
 (O) (-2, 7)

3. $x + y = 27$
 $3x - y = 41$
 (T) (-7, 10)
 (R) (17, 10)

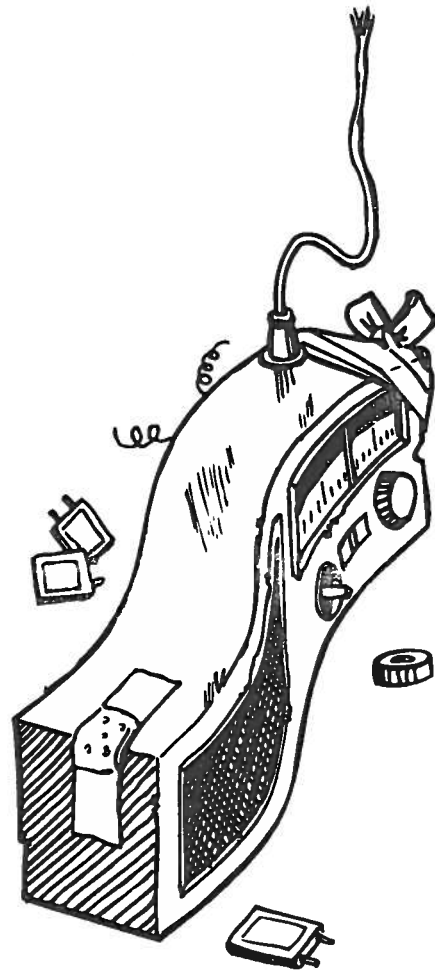
8. $4x + 3y = 24$
 $5x - 8y = -17$
 (G) (-4, -3)
 (E) (3, 4)

4. $x + y = 6$
 $y = 3$
 (A) (3, 3)
 (I) (-3, 3)

9. $3x - 2y = 11$
 $x - \frac{1}{2}y = 4$
 (U) (5, 2)
 (K) (-5, 3)

5. $x + 2y = 1$
 $2x + y = 5$
 (T) (3, -1)
 (S) (4, 2)

10. $x + 4y = 8$
 $2x - 5y = 29$
 (L) (6, -5)
 (P) (12, -1)



1

2

3

4

5

6

7

8

9

10

Name _____

Scary Skidding

Craig Breedlove, driving the jet-powered *Spirit of America*, lost control of the car at Bonneville Salt Flats, Utah, on October 15, 1964. He holds the record for the longest skid marks ever made in the world. How long were these amazing marks?

To find out, solve each linear system below by graphing. To reveal the record answer at the bottom of the page, write the letter of each problem above its solution.

S. $-x + y = -1$

$x + y = 3$

I. $4x + 3y = 24$

$3x - 11y = 18$

M. $-2x + y = -1$

$3x + y = 4$

I. $2x + y = -4$

$5x + 3y = -6$

L. $y = 10$

$y = 3x + 1$

S. $2x + y = 9$

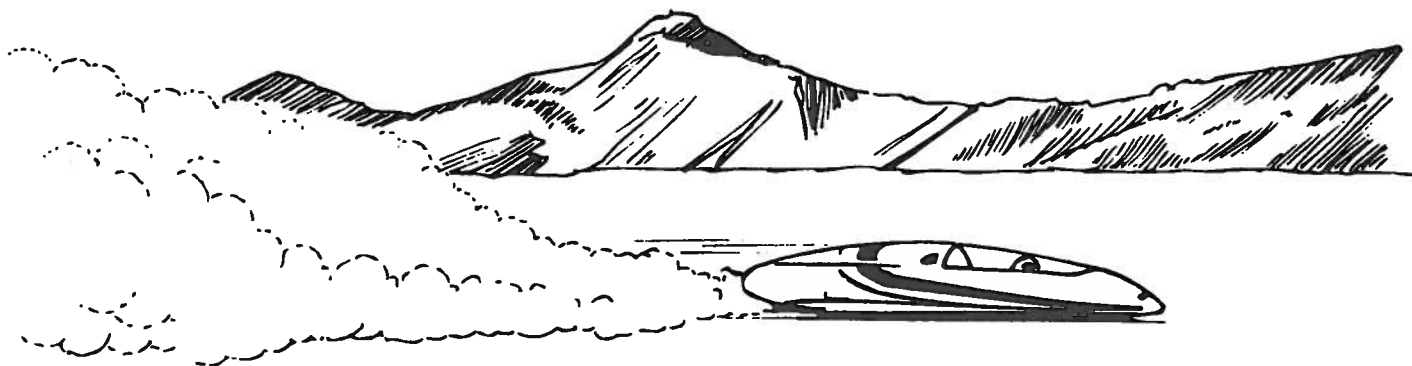
$-4x + y = -3$

X. $2x + 3y = 0$

$3x - 2y = -13$

E. $x = -3$

$-2x + y = 1$



(2, 5) (-6, 8) (-3, 2)

(1, 1) (6, 0) (3, 10) (-3, -5) (2, 1)