What Did the Doctor Say After Examining Yunn Yunsberger?

Complete the table for each function. Find each ordered pair at the bottom of the page and write the corresponding letter above it. (Answers for Exercises 1–4 are to the left, and answers for Exercises 5–8 are to the right of the center line.)

1 $2x + y = 1$

x	y	
−1		A
−4		D
3		O

2 $x - y = 5$

x	y	
7		I
1		E
−2		Y

3 $3x - y = -4$

x	y	
2		U
−1		A
−3		I

4 $x - 2y = 2$

x	y	
6		V
2		H
−4		C

5 $-2x + 3y = 6$

x	y	
6		D
0		U
−3		E

6 $x + 4y = 12$

x	y	
8		T
0		N
−8		E

7 $x + y + 6 = 0$

x	y	
−5		Y
2		N
−8		C

8 $3x = 2y + 8$

x	y	
8		N
2		S
−4		H

(−2, −7) (3, −5) (2, 10) (7, 8) (2, 0) (−1, 3) (6, 2) (1, −4) (2, 4) (−1, 1) (−4, −3) (−3, −5) (−4, 9) (6, 8) (7, 2) (8, 8) (2, 3) (6, 6) (−8, 5) (8, −2) (−8, 2) (−4, −10) (−3, 0) (2, −1) (8, 1) (−5, 3) (−5, −1) (0, 2) (2, −8) (0, 3)

OBJECTIVE 5–e: To find ordered pairs that satisfy a linear equation and use them to graph the equation (equations are not solved for y).

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Did You Hear About...

A	B	C	D	E	F
G	H	I	J	K	L ?

Answers for A–F:

(2, 0); (0, −6) COW
(2, 0); (0, 3) THE
(4, 0); (0, −2) HIS
(−3, 0); (0, 5) WHO
(4, 0); (0, −3) DECIDED
(2, 0); (0, −4) PET
(2, 0); (0, −3) FARMER
(−3, 0); (0, −5) NAMED

Find the x-intercept and the y-intercept of the graph of each equation below. Then find your answer in the answer column nearest the exercise and notice the word under it. Write this word in the box containing the letter of that exercise. Keep working and you will hear about a novel name.

(A) $3x + 2y = 6$

(B) $3x - 2y = 6$

(C) $-5x + 3y = 15$

(D) $5x + 3y = -15$

(E) $x - 2y = 4$

(F) $-2x + y = -4$

(G) $2x + y = 5$

(H) $-3x + 2y = 9$

(I) $-x - 4y = 6$

(J) $4x - 3y - 12 = 0$

(K) $5y = 2x - 10$

(L) $x = 2y - 3$

Answers for G–L:

$(-6, 0); (0, -\frac{3}{2})$ BECAUSE
$(-3, 0); (0, \frac{3}{2})$ SO
$(\frac{5}{2}, 0); (0, 5)$ ROOSTER
(3, 0); (0, −4) IT
$(-3, 0); (0, \frac{9}{2})$ ROBINSON
(−3, 0); (0, 3) CRACKED
(5, 0); (0, −2) CREW
(−6, 0); (0, −2) UP

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OBJECTIVE 5–f: To find the x-intercept and the y-intercept of the graph of a linear equation and use them to graph the equation.