Did You Hear About...

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

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 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

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

Henri charges \$3 to sharpen a pair of figure skates and \$2.50 to sharpen a pair of hockey skates. Last Sunday, he earned \$240.

a) Write an equation to represent the relation.

b) Determine the minimum and maximum number of pairs of figure skates and hockey skates that Henri could have sharpened.