SYSTEMS of EQUATIONS: Elimination Method

Why was the girl afraid of the y-intercept?

$$\overline{15}\ \overline{5}\ \overline{10} \qquad \overline{13}\ \overline{1}\ \overline{13}\ \overline{14}\ \overline{3} \qquad \overline{7}\ \overline{11}\ \overline{17}\ \overline{8} \qquad \overline{3}\ \overline{9} \qquad \overline{19}\ \overline{6}\ \overline{4}$$

$$\overline{2}\ \overline{8}\ \overline{12}\ \overline{17}\ \overline{16} \qquad \overline{20}\ \overline{18} \qquad \overline{8}\ \overline{5}\ \overline{6} \qquad \overline{20}$$

❶ $x + y = -4$
$7x - y = -4$

❷ $2x - 5y = 30$
$x + 5y = -45$

❸ $4x - 3y = 18$
$x + 3y = 12$

❹ $3x + 2y = -18$
$13x - 2y = -14$

❺ $x - 5y = -40$
$11x - 5y = 10$

❻ $10x - 9y = -126$
$2x - 9y = 18$

❼ $4x - y = -3$
$4x + 3y = -39$

❽ $x + 2y = 4$
$13x + 2y = 28$

❾ $3x - 7y = -84$
$23x - 7y = 56$

❿ $9x - 2y = 16$
$9x - 2y = -14$

⓫ $5x - 2y = -18$
$x - 8y = 80$

⓬ $7x + 2y = 38$
$x - y = -1$

⓭ $x + y = 1$
$13x - 4y = 64$

⓮ $11x + 12y = 168$
$7x - 4y = 72$

⓯ $2x - y = -7$
$7x + 2y = -8$

⓰ $2x - y = -14$
$17x + 3y = -27$

⓱ $4x + 3y = -45$
$10x + y = 11$

⓲ $x - 2y = -26$
$13x - 4y = -8$

⓳ $2x - y = -17$
$5x + 2y = -38$

⓴ $13x - 3y = -30$
$x - 2y = 26$

T	E	G	D	I	T	W	U	T	E
(2, 1)	(−18, −6)	(−8, 1)	(4, −3)	(−1, −3)	(6, 2)	(−3, −9)	(4, 5)	(−2, −6)	no solution
A	**S**	**N**	**O**	**Y**	**B**	**N**	**G**	**H**	**S**
(−8, −11)	(−5, −8)	(12, 3)	(7, 15)	(4, 15)	(−6, −16)	(3, −19)	(−3, 8)	(5, 9)	(−2, 3)