

$$\begin{aligned} \textcircled{7} \quad & -7x - 3y = -20 \\ & (+7x + 3y = 17) \end{aligned}$$

No solution.

$$\begin{aligned} \textcircled{8} \quad & x + 10y = -27 \\ & (x + 6y = -15) \cdot -1 \\ & x + 10y = -27 \\ & -x - 6y = 15 \\ & \frac{4y}{4} = \frac{-12}{4} \\ & y = -3 \end{aligned}$$

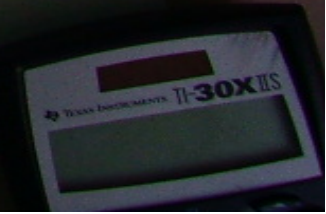
$$\begin{aligned} x + 10y &= -27 \\ x + (10)(-3) &= -27 \\ x + (-30) &= -27 \\ x &= -27 + 30 \\ x &= 3 \end{aligned}$$

(3, -3)

$$\begin{aligned} \textcircled{9} \quad & -9x - 6y = -9 \\ & (-4x - 3y = -3) \cdot 2 \\ & -9x - 6y = -9 \\ & +8x + 6y = +6 \\ & \frac{-x}{-1} = \frac{-3}{-1} \\ & x = 3 \end{aligned}$$

$$\begin{aligned} -9x - 6y &= -9 \\ -9(3) - 6y &= -9 \\ -27 - 6y &= -9 \\ -6y &= -9 + 27 \\ \frac{-6y}{-6} &= \frac{+18}{-6} \\ y &= -3 \end{aligned}$$

(3, -3)



10) $\begin{cases} -5x + 8y = 25 & \text{2} \\ 6x - 16y = -30 & \end{cases}$

$$-10x + 16y = 50$$

$$6x - 16y = -30$$

$$\frac{-4x}{-4} = \frac{+20}{-4}$$

$$x = -5$$

$-5(-5) + 8y = 25$

$$25 + 8y = 25$$

$$8y = 25 - 25$$

$$\frac{8y}{8} = \frac{0}{8}$$

$$y = 0$$

$(-5, 0)$

11) $\begin{cases} -8x - 6y = 18 & -1 \\ 7x - 7y = -28 & +6 \end{cases}$

$$+56x + 42y = -126$$

$$42x - 42y = -168$$

$$\frac{98x}{98} = \frac{-294}{98}$$

$$x = -3$$

$-8(-3) - 6y = 18$

$$+24 - 6y = 18$$

$$-6y = 18 - 24$$

$$\frac{-6y}{-6} = \frac{-6}{-6}$$

$$y = +1$$

$(-3, +1)$

12) $\begin{cases} -8x - 9y = 26 & + \\ 7x + 4y = -15 & 9 \end{cases}$

$$-32x - 36y = 104$$

$$63x + 36y = -135$$

$$\frac{31x}{31} = \frac{-31}{31}$$

$$x = -1$$

$-8(-1) - 9y = 26$

$$8 - 9y = 26$$

$$-9y = 26 - 8$$

$$\frac{-9y}{-9} = \frac{+18}{-9}$$

$$y = -2$$

$(-1, -2)$