

$$\begin{cases} 15x^2 - 2xy = 5 \\ 2x - y = -3 \end{cases}$$

$$\begin{cases} 15x^2 - 2xy = 5 \\ y = -(-3) + 2x \end{cases}$$

$$\begin{cases} 15x^2 - 2xy = 5 \\ y = 3 + 2x \end{cases}$$

$$y = 3 + 2x$$

$$y = 2x + 3$$

$$\begin{cases} 15x^2 - 2x(2x + 3) = 5 \\ y = 2x + 3 \end{cases}$$

$$15x^2 - 2x(2x + 3) = 5$$

$$15x^2 - 2x(2x + 3) - 5 = 0$$

$$15x^2 - (2x)(2x + 3) - 5 = 0$$

$$15x^2 - (4x^2 + 6x) - 5 = 0$$

$$15x^2 - 4x^2 - 6x - 5 = 0$$

$$11x^2 - 6x - 5 = 0$$

$$D = b^2 - 4ac = (-6)^2 - 4 \cdot 11(-5) = 256$$

$$x_{1,2} = \frac{-b \pm \sqrt{D}}{2a}$$

$$x_1 = \frac{6-16}{2 \cdot 11} = -\frac{5}{11}; x_2 = \frac{6+16}{2 \cdot 11} = 1$$

Теперь решаем поэтапно

1 .

$$\begin{cases} x = -\frac{5}{11} \\ y = 2x + 3 \end{cases}$$

$$\begin{cases} x=-\frac{5}{11} \\ y=2\left(-\frac{5}{11}\right)+3 \end{cases}$$

$$\begin{cases} x=-\frac{5}{11} \\ y=\frac{23}{11} \end{cases}$$

2 .

$$\begin{cases} x=1 \\ y=2x+3 \end{cases}$$

$$\begin{cases} x=1 \\ y=2 \cdot 1+3 \end{cases}$$

$$\begin{cases} x=1 \\ y=5 \end{cases}$$

ОТВЕТ: .

x	y
$-\frac{5}{11}$	$\frac{23}{11}$
1	5