

√1

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

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

Dmben: (1; -1), (5; 4)

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

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

$$\begin{aligned} x-2 &= 2x-3 \\ x &= 1 \\ y &= -1 \end{aligned}$$

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

$$\begin{aligned} x+2 &= 2x-3 \\ x &= 5 \\ y &= 4 \end{aligned}$$

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$$\begin{cases} \frac{x+3-4y}{2} = \frac{3x-2y+1}{3} & (1) \\ -\frac{4+2x-y}{3} = \frac{3x-y}{4} & (2) \end{cases}$$

(1)

$$3(x+3-4y) = 2(3x-2y+1)$$

$$3x+9-12y = 6x-4y+2$$

$$3x+8y-7=0$$

(2)

$$4(-4+2x-y) = 3(3x-y)$$

$$-16+8x-4y = 9x-3y$$

$$x+y = -16$$

$$\begin{cases} 3x+8y-7=0 \\ x+y+16=0 \end{cases}$$

$$x = -y-16$$

$$3(-y-16)+8y-7=0$$

$$-3y-48+8y-7=0$$

$$5y = 55$$

$$y = 11$$

$$x = -27$$

Answer: $(-27; 11)$