

$$\frac{2-(-2)}{2-5} = \frac{4}{-3} = -\frac{4}{3} \rightarrow x = -\frac{4}{3}x + b \rightarrow x = -\frac{4}{3}x + 1 \quad \text{ان } 18, 75$$

(1, 75) - 1

$$\begin{cases} ax+b-x \\ -4x-1-2x \end{cases} \rightarrow x = -\frac{4}{3}x + b \rightarrow x = -\frac{4}{3}x + 1$$

$$\frac{1}{2} = \frac{a}{4} \rightarrow 2a = 4 \rightarrow a = 2$$

$$2 \rightarrow 90^\circ \rightarrow \tan 90^\circ \rightarrow \sqrt{2} \rightarrow x = \sqrt{2}x + b \rightarrow x = \sqrt{2}x + 2 - 2\sqrt{2}$$

$$(2 \rightarrow x = -\frac{1}{\sqrt{2}}x + \frac{1}{\sqrt{2}} \rightarrow x = \sqrt{2}x + b \rightarrow x = \sqrt{2}x - 1$$

$$(1) (x-1)^2 + (x-2)^2 \rightarrow \sqrt{4+9} = 5 \quad (2) \frac{|4+14-13|}{\sqrt{14+9}} = \frac{5}{5} = 1$$

$$2(2x+5x=4) \rightarrow 4x+10x=8 \rightarrow 14x=8 \rightarrow x = \frac{4}{7} \rightarrow 4x+10x=8 \rightarrow 14x=8 \rightarrow x = \frac{4}{7}$$

$$\begin{cases} 2x+3x=4 \\ 3x-2x=1 \end{cases} \rightarrow \begin{cases} 5x=4 \\ x=1 \end{cases} \rightarrow \frac{|2x+3x-4|}{\sqrt{4+9}} = \frac{|3x-2x-1|}{\sqrt{1}} \rightarrow \frac{5x-4}{\sqrt{13}} = \frac{x-1}{1}$$

حالت دوم:

$$2x+3y-2 = -3x+2y+1 \rightarrow y+5x=3$$

$$\tan \alpha = \left| \frac{2-(-2)}{1+4} \right| \rightarrow \tan \alpha = 1 \rightarrow \alpha = 45^\circ$$

$$(-1-2)^2 + (2-(-2))^2 \rightarrow \sqrt{4+16} = \sqrt{20} = 2\sqrt{5} \quad (2) \frac{(-1-2)^2 + (2-(-2))^2}{\sqrt{4+16}} = \frac{20}{\sqrt{20}} = \sqrt{20}$$

$$\begin{bmatrix} 3 & 1 & 1 \\ -2 & 3 & 1 \\ -10 & -13 & 1 \end{bmatrix} \times \frac{1}{p} =$$

$$(2) x = \frac{2-2-10}{-1-2} = -\frac{10}{-3} = \frac{10}{3}$$

$$2x+1 = \frac{94}{2} \rightarrow x = \frac{47}{1}$$

$$x' = x-2 \rightarrow x = x'+2 \quad (2) -x = -\frac{2}{3}x + 1 \rightarrow \frac{1}{3}x = 1 \rightarrow x = 3$$

$$x' = \frac{5x'+2}{x'-1}$$

$$x = \frac{2x'+10}{x'-1} + 2 \rightarrow x' = \frac{1(x'+2)+1}{x'+2-1} + 2$$

$$\begin{cases} 3x + 4y = 2 \\ x - 5y = 1 \end{cases} \rightarrow \begin{cases} 3x + 4y = 2 \\ 3x - 15y = 3 \end{cases}$$

$$19y = -1 \rightarrow y = -\frac{1}{19}, x = \frac{13}{19} \checkmark$$

$$\begin{cases} 3x + 4y = 2 \\ x - 5y = 1 \end{cases} \rightarrow x = -\frac{4 - (-10)}{-15 - 3} = \frac{14}{-18} \rightarrow x = -\frac{7}{9}, y = \frac{3 - 2}{-15 - 3} = \frac{1}{-18} \checkmark$$

الن

١٥ - (٣)

سوال ١ - قسمت ب

$$m = -3$$

و قتر دو خط موازیند نه شیب یکسان

داشته باشند

$$(4, 2) \rightarrow y - 2 = -3(x - 4) \rightarrow y = -3x + 14$$