

ا) $(y-r) = -r(x-r) \Rightarrow y = -rx + 11$

ضاقا

-1

ب) $y = -rx - \frac{1}{r} \Rightarrow m = -r \Rightarrow \frac{1}{r} = rx + 10$

ج) $m = -\frac{1}{r} \Rightarrow y = rx - 2$

د) $m = \sqrt{2} \Rightarrow b = 4 - 2\sqrt{2} \Rightarrow y = \sqrt{2}x + 4 - 2\sqrt{2}$

ا) $\sqrt{14+9} = 5$

-2

ب) $\frac{|4+12-2|}{5} = 2$

ا) $2x + 3y = 5$

-3

ب) $\frac{y-4}{\sqrt{13}} = \frac{2\sqrt{13}}{13}$

$\frac{|2x-2y-1|}{\sqrt{13}} = \frac{|x+2y-5|}{\sqrt{13}}$ $\begin{cases} x-2y+5=0 \\ 2x+y+5=0 \end{cases}$

$\begin{cases} m_1 = 2 \\ m_2 = -2 \end{cases} \Rightarrow \frac{|n-m'|}{|1+mm'|} = 1 \Rightarrow \frac{\omega}{\omega} = 1$ $\Rightarrow \tan \phi = 1 \Rightarrow \phi = 45^\circ$

ا) $\sqrt{2y+6y} = 10$

-4

ب) $\begin{cases} -\frac{\omega+5}{2} = \frac{5}{2} = -1 \\ -\frac{2+4}{2} = 1 \end{cases} \Rightarrow (-1, 1)$

$$a) \frac{r + (-r) + (-10)}{r} = -r$$

$$\frac{-1r + r + 1}{r} = \frac{-9}{r} = -r \quad \Rightarrow m(-r, -r)$$

$$b) \begin{pmatrix} r & -r & -10 \\ 1 & r & -10 \\ 1 & 1 & 1 \end{pmatrix} \sim \text{O94} \Rightarrow x \perp z = \text{E1}$$

$$a) \Rightarrow y = \frac{-rm - 1}{rm - r}$$

$$b) y = \frac{-rm + 1}{-rm - r}$$

$$c) \sim y = - \frac{-rm - 1}{rm - r} = \frac{rm + 1}{rm - r}$$

$$d) -y = - \frac{rm - 1}{rm + r} \Rightarrow y = \frac{rm - 1}{rm + r}$$

$$a) \beta = \frac{r\alpha' + 9 + r\alpha' + r}{\alpha' - 1} \Rightarrow \beta = \frac{2\alpha' + 9}{\alpha' - 1}$$

$$\Rightarrow y = \frac{2m + 9}{m - 1}$$

$$b) \beta' + r = \frac{r\alpha' + 1}{\alpha' + 1} \Rightarrow \beta' = \frac{r\alpha' + 1 - r\alpha' - r}{\alpha' + 1} = \frac{y}{\alpha'}$$

$$\Rightarrow \beta' = \frac{y}{\alpha'} \Rightarrow y = \frac{y}{m}$$

$$a) \begin{cases} rm + 4y = 5 \\ -rm + 14y = -5 \end{cases} \Rightarrow 14y = -1 \Rightarrow y = \frac{-1}{14} \Rightarrow m = \frac{14}{19}$$

$$b) m = - \frac{\begin{vmatrix} 5 & 4 \\ 1 & -14 \end{vmatrix}}{\begin{vmatrix} r & 4 \\ 1 & -14 \end{vmatrix}} = \frac{14}{19} \Rightarrow y = \frac{-1}{19}$$