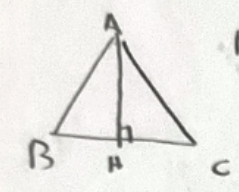


19, 15

$\mu, \left| \frac{x_A + w_B}{y_A - y_B} \right| \rightarrow \mu, \left| \frac{1}{1} \right|$ $m_{AB}, \frac{-4-1}{\varepsilon-1} = \frac{-1\varepsilon}{1} = -\varepsilon \rightarrow m, \frac{1}{\varepsilon}$

$y-1, \frac{1}{\varepsilon}(u-1), y-1, \frac{1}{\varepsilon}u - \frac{1}{\varepsilon} \rightarrow y, \frac{1}{\varepsilon}u + \frac{\varepsilon}{\varepsilon} \xrightarrow{\text{}} \boxed{y, u + \varepsilon = 0}$

(3)



$BC, \sqrt{9+14} = \Delta \rightarrow m_{BC}, \frac{V-1}{-\varepsilon+1}, \frac{1}{-\varepsilon} \rightarrow m_{AH}, \frac{1}{\varepsilon}$

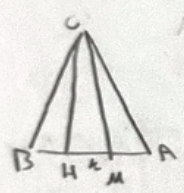
(3)

$y-1, -\frac{1}{\varepsilon}(u+1) = y-1, -\frac{1}{\varepsilon}u - \frac{1}{\varepsilon} \rightarrow y, -\frac{1}{\varepsilon}u + \frac{\Delta}{\varepsilon}$

$\xrightarrow{\text{}} y = -\varepsilon u + \Delta \rightarrow A \text{ on } BC \rightarrow d, \frac{1(1+\varepsilon-\Delta)}{\Delta} = \frac{1}{\Delta} \cdot r \quad \Delta = r \cdot \sqrt{14}$

$\frac{1}{\varepsilon} = \frac{+a}{+1} \quad \boxed{a=r} \rightarrow \frac{r y - 1 u - 1}{f y - 1 u - 1\varepsilon} = d, \frac{|-1\varepsilon+1|}{\sqrt{\varepsilon+14}}, \frac{1r}{\sqrt{r}} = \frac{9}{\sqrt{\Delta}}$

(3)



$\mu, \left| \frac{x_A + w_B}{y_A - y_B} \right| \rightarrow \mu, \left| \frac{1}{1} \right|$ $m_{AB}, \frac{1-1}{1-\varepsilon} = 1$

$y-1, -1(u-1) = y-1, -u+1 \rightarrow y, -u+\Delta \rightarrow m_{AH}, \frac{1}{\varepsilon}$

1, 15

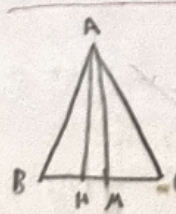
$y+1, u+1 \rightarrow y, u-1 \rightarrow u-1, -u+\Delta \rightarrow u, 1 \Delta \quad y, 1 \Delta \rightarrow \sqrt{\frac{1}{\varepsilon} + \frac{1}{\varepsilon}} = \sqrt{\frac{1}{\varepsilon}} = \frac{\sqrt{r}}{r}$

$m_1 \times m_2 = -1 \rightarrow \frac{-m-1}{-1m+\varepsilon} \times \frac{1-\varepsilon m}{\Delta-m} = -1 \rightarrow \frac{-m-1}{-1m+\varepsilon} = \frac{m-\Delta}{1-\varepsilon m} \rightarrow -1m^2 + \varepsilon m + 1m - \Delta = -1m^2 + \varepsilon m - \Delta, 1m + m - \Delta$

$-1m^2 + \varepsilon m + 1m - \Delta = -1m^2 - 1 + 1m^2 + 1m \rightarrow -1m^2 + \varepsilon m - \Delta, 1m + m - \Delta$

$\Delta m^2 - 1m + 1 = 0 \quad \Delta < 0 \quad m \in \mathbb{C}$

(3)



$k+y, 1$
 $1k-y, 1$
 $A, (1, 1)$
 $k, -\frac{\Delta}{-1} \mid y, -\frac{\Delta}{-1} \mid$

$k+y, 1$
 $-k+y, -1$
 $y, -1$
 k, Δ

$1k-y, 1$
 $k+y, \varepsilon$
 $B, (\Delta, -1)$
 $1k, \Delta$
 $k, \frac{\Delta}{1}$

$C, (\frac{\Delta}{r}, \frac{V}{r})$

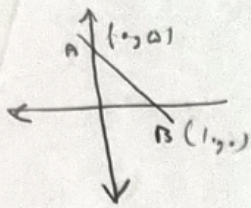
(3)

$\mu, (\frac{1}{w}, \frac{1}{r}) \rightarrow A, \sqrt{\frac{1}{w} \cdot \frac{1}{r}} = \sqrt{\frac{\varepsilon}{1} \cdot \frac{1}{1} \cdot \frac{\Delta}{1} \cdot \frac{1}{r}} \quad AH = \sqrt{r}$

$-y+1, -k+\Delta \rightarrow y, -k+\varepsilon$

$\sqrt{\frac{1}{2} \cdot \frac{1}{2}} = \sqrt{\frac{1}{2}}$

(5)



$$y + \frac{1}{r}x = b \dots$$

$$\frac{|-b|}{\sqrt{1 + \frac{1}{r^2}}} \cdot \sqrt{r} = \frac{\sqrt{a}}{r}$$

$$b = r\sqrt{a} \times \frac{\sqrt{a}}{r} = a \quad y = +b \rightarrow y = a \quad A(0, a)$$

$$\dots -\frac{1}{r}x + a \rightarrow B(1, 0)$$

$$\sqrt{r^2 + 1} = \sqrt{a\sqrt{a}}$$

$$y = \frac{\varepsilon}{m}x + r \rightarrow \begin{matrix} k \dots y, r \\ y \dots k, -\frac{m}{r} \end{matrix}$$

$$\begin{matrix} k \dots y, r \\ y \dots k, \frac{r}{m-1} \end{matrix} \leftarrow y = k(1-m)r$$

$$\rightarrow \frac{1}{r} \times r \times \left(-\frac{m}{r} - \frac{r}{m-1} \right) = \frac{a}{r} \rightarrow -\frac{m}{r} - \frac{r}{m-1} = \frac{a}{r} \times \frac{r(m-1)}{r} \rightarrow -m^2 + m - \varepsilon = a \quad m = \sqrt{1 + \varepsilon}$$

$$\frac{-r \pm r\sqrt{a}}{r} \rightarrow m = \boxed{-r \pm \sqrt{a}}$$

$$\frac{1}{r} \times r \left(\frac{r}{m-1} + \frac{m}{r} \right) \pm \frac{a}{r} \rightarrow rm^2 - 12m + 12 = 0 \rightarrow m^2 - 9m + 9 = 0 \quad (m+9)^2 = 0 \quad m = -9$$

$$-r \times (r - \sqrt{a}) \times (-r + \sqrt{a}) = -r$$

$$y = rx - r \rightarrow y = rx + r \dots \frac{|r - \varepsilon + r|}{\sqrt{1 + \varepsilon}} = \frac{r}{\sqrt{a}} \quad y = rx - b \dots \frac{|r + b|}{\sqrt{1 + \varepsilon}} = \frac{r}{\sqrt{a}}$$

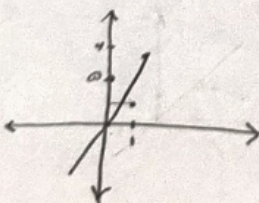
$$b \rightarrow r$$

$$b \rightarrow -r$$

$$\begin{matrix} y = +rx - r \\ y = +rx + r \end{matrix}$$

$$d. \frac{|r - \varepsilon + r|}{\sqrt{a}} = \frac{r}{\sqrt{a}} \quad \checkmark$$

$$d. \frac{|r - \varepsilon - r|}{\sqrt{a}} \neq \frac{r}{\sqrt{a}} \quad \times$$



$$y = kx + b \rightarrow y = kx + r \quad y = \varepsilon \rightarrow M(-1, \varepsilon)$$

$$-k + r = k + a \rightarrow k = -1$$

$$A(-1, 4) \quad B(-1, 4) \quad 1b = a = 1 + r = 15$$

$$\begin{matrix} 1 + k_A = -r & k_A = -r \\ r + y_A = x & y_A = 4 \end{matrix}$$

(9)

(12)