

$$(\varepsilon, r)$$

$$A = \frac{r - (-r)}{r - a} = -\varepsilon \rightarrow y = -\varepsilon x + 1/r$$

$$y = -\varepsilon x + 1/r$$

خط مماس

$$(a, -r) \text{ (نقطه) } -1$$

$$A = \frac{-r}{r} = -1$$

$$y = -1x + 1/r \rightarrow 2y + 4x = 1/r$$

$$2y + 4x = -1 \text{ (خط مماس)}$$

$$A = -\frac{1}{\varepsilon} \rightarrow A' = \varepsilon$$

$$y = 1/r - 1/r$$

$$m + m' = 1 \text{ (مماس)}$$

$$\frac{r}{\varepsilon} = 4 \cdot \frac{1}{\varepsilon} \rightarrow \frac{r}{\varepsilon} = 4$$

$$y = 1/r - \varepsilon \sqrt{r}$$

$$\frac{r}{\varepsilon} = 4 \rightarrow \frac{r}{\varepsilon} = 4$$

$$A = \frac{\varepsilon}{-1-\varepsilon} = \frac{\varepsilon}{-1-\varepsilon}$$

$$y = -\frac{\varepsilon}{1-\varepsilon}x + \frac{1/r}{1-\varepsilon} \rightarrow 1/r = -\varepsilon x + 1/r \text{ (خط مماس)}$$

$$(r, r) - r$$

$$\frac{1/r - (-1/r)}{1 - (-1)} = \frac{1/r + 1/r}{2} = \frac{1/r}{1} = \frac{1}{r}$$

$$m + m' = 1 \text{ (مماس)} \rightarrow \frac{1}{(1-r)^2} + \frac{(-1-r)^2}{1} = 2$$

$$r + 4y = 1$$

$$\varepsilon x + 4y = 1/r$$

$$F_{u+y} = \frac{1/r + 1}{r} = 1$$

$$\frac{1/r + 1}{r\sqrt{1-r}} = \frac{1/r}{r\sqrt{1-r}} = \frac{1}{r\sqrt{1-r}}$$

$$(r, r)$$

$$-r$$

$$\frac{1/r - (-1/r)}{r\sqrt{1-r}} = \frac{1/r + 1/r}{r\sqrt{1-r}} = \frac{2/r}{r\sqrt{1-r}} = \frac{2}{r^2\sqrt{1-r}}$$

$$\frac{1}{r^2\sqrt{1-r}}$$

$$\frac{1/r - (-1/r)}{r\sqrt{1-r}} = \frac{1/r + 1/r}{r\sqrt{1-r}} \rightarrow r - 2y - 1 = r - 2y - 1$$

$$m - 2y - 1 = 1$$

$$m - 2y - 1 = 1$$

$$r - 2y - 1 = 1$$

$$m - 2y = 1$$

$$r - 2y = 1$$

$$\frac{r}{1-r} = \frac{1}{1-r} \rightarrow r = 1$$

$$r - 2y - 1 = -r - 2y + 1 \rightarrow 2r + y - \varepsilon = 1$$

$$y = r - 1$$

$$y - m = a$$

$$\tan \alpha = \frac{m' - m}{1 + mm'}$$

$$\frac{1}{1-r}$$

$$m = -r$$

$$m' = r$$

$$\tan \alpha = \frac{1/r}{1-r} = 1 \rightarrow 1/r = 1-r$$

$$\alpha = 45^\circ \text{ (زاویه مماس)}$$

$$A (r, -r)$$

$$B (-a, \varepsilon)$$

$$d = \sqrt{(m' - m)^2 + (y' - y)^2} = \sqrt{(1/r)^2 + 4r^2} = 10$$

$$\frac{1}{1-r}$$

$$m' = \frac{m_1 + m_2}{r} = \frac{-a + \varepsilon}{r} = -1$$

$$m_2 (-1, 1)$$

$$\frac{1}{1-r}$$

$$y' = \frac{-r + \varepsilon}{r} = 1$$

Subject: (

Date:

محلہ لکھنؤ

$$y = \frac{2x+1}{x-2}$$

1.8

$$-y = \frac{2x+1}{x-2} \rightarrow y = -\left(\frac{2x+1}{x-2}\right)$$

(نہ) کے قریب بہت سے

$$y = \frac{-2x+1}{-x-2}$$

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$$y = -\left(\frac{2x+1}{x-2}\right)$$

$$x = \frac{2y+1}{y-2}$$

1.2

$$-x = \frac{-y+1}{-y-2} \rightarrow y = \frac{2x+1}{x-2}$$

$$y = \frac{2x+1}{x-2}$$

(-10, -12) (-2, 2) (2, 1)

$$x = \frac{-10-2+5}{2} = \frac{-7}{2} = -3.5$$

نہ

$$y = \frac{-12+5+1}{2} = \frac{-8}{2} = -4$$

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$$8 = \frac{1}{x} \left| \begin{array}{ccc} x & 1 & 1 \\ -2 & 2 & 1 \\ -10 & -12 & 1 \end{array} \right| = 18$$

$$y = \frac{2x+1}{x-2}$$

$$x' = x-2$$

$$y' = y+2$$

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

(2, -4)

$$y' = \frac{2x'+5}{x'-2} + 2 = \frac{2x'+5+2x'-4}{x'-2} = \frac{4x'+1}{x'-2}$$

$$x' = x-2$$

$$y' = y+2$$

$$x' + 2 = x$$

$$y' - 2 = y$$

(2, 2)

$$y' + 2 = \frac{2(x'+2)+1}{(x'+2)-2} = \frac{2x'+5}{x'} \rightarrow y' = \frac{2x'+5}{x'} - 2 = \frac{5}{x'}$$

$$2x + 5y = 2$$

$$(x-2y=1) \rightarrow -2x+10y=-2$$

نہ

$$19y = -1 \rightarrow y = -\frac{1}{19}$$

$$x = \frac{2+5}{19} = \frac{7}{19}$$

1

Arman

$$a = -\frac{2+1}{-18-2}$$

$$y = \frac{2-2}{-10-2}$$