

۱۳۳۸/۲۲

۱- $\ominus$ $\Rightarrow$ مربع مکمل $\Rightarrow$ فتح کامل $\Rightarrow$ $\frac{1}{10^2}$ $\Rightarrow$ $-\infty$

منزہ $\Rightarrow$ $-2, 2 \Rightarrow a, b \Rightarrow a, -2 \Rightarrow a, 2$
 $\frac{x-5}{(x-2)^2}$

۲- $\oplus$ $\Rightarrow$ مربع مکمل $\Rightarrow$ فتح مجدد $\Rightarrow$ $\frac{1}{0^2}$

$a = -2\sqrt{2}$ $b = \sqrt{14} \Rightarrow \sqrt{2}$ $\left| \frac{\sqrt{2}}{\sqrt{2}} \right| = -1 \cdot \left| \frac{b}{a} \right|$

۳- $\Rightarrow$ فتح منجز $\Rightarrow$ $\left| \left(\frac{1}{\sqrt{2}} + \frac{1}{\sqrt{2}} \right) \right| \Rightarrow a, a \Rightarrow \dots \frac{1}{2}, \frac{1}{2}, \dots a, -\frac{1}{2}$

$\left| -\frac{1}{2} \right| = -1$

۴- $x \rightarrow \left(-\frac{1}{2} \right)^2 \Rightarrow \frac{1}{4} \Rightarrow \frac{1}{4} \Rightarrow \frac{14n - (-9)}{28n + 12} = \frac{1}{0^2} = +\infty$

۵- $\frac{x^2-2}{x^2-8} = \frac{(x-2)(x+2)}{(x-2)(x+2)} = \frac{2}{1}$

۶- $\frac{(x+2)(x+8)}{12+9\sqrt{x}} \xrightarrow{\text{HOP}} \frac{x+1}{9 \cdot \frac{1}{\sqrt{x}}} = \frac{-9}{\frac{1}{2}} = -12$

۷- $\frac{1}{\sqrt{2}} \cdot \frac{\sqrt{2n} - \sqrt{2-n}}{\sqrt{1-2n}} \cdot \frac{\sqrt{2n} - \sqrt{2-n}}{\frac{1}{\sqrt{2}}} \cdot \frac{\sqrt{2n} - \sqrt{2-n}}{\frac{-n}{\sqrt{2}}}$

$\frac{\frac{2}{2\sqrt{2}} - \frac{(-1)}{2\sqrt{2}}}{-\frac{1}{\sqrt{2}}} = \frac{\frac{2}{2\sqrt{2}}}{-\frac{1}{\sqrt{2}}} = -2$

آذر

۸-

خرج = 0

کسر جابجایی

$$\% \Rightarrow k+1=0 \Rightarrow k=-1$$

$$\frac{\cos \theta}{\cos \theta} \rightarrow \frac{-1 + (1 - \frac{a n^2}{r})}{a - n^2} = \frac{-\frac{a}{r} n^2}{-n^2} = \frac{a}{r} = 3 \Rightarrow a = 9 \Rightarrow \frac{a}{k} = -9$$

$$9- \text{نیز به صورت زیر} : \frac{r \sqrt{x-2a}}{(\sqrt{x-2a})(\sqrt{x+2a})} + \frac{r(\sqrt{x}-\sqrt{2a})}{(\sqrt{x-2a})(\sqrt{x+2a})} \quad \text{I}$$

$$\frac{r(x-2a)}{(\sqrt{x-2a})(\sqrt{x+2a})(\sqrt{x+2a})} = \frac{r \sqrt{x-2a}}{(\sqrt{x+2a})(\sqrt{x+2a})} = 0 \quad \text{II}$$

$$\text{I} \cap \text{II} \Rightarrow \frac{r}{\sqrt{x+2a}} + 0 = \frac{r}{\sqrt{4a}}$$

$$10- x \begin{cases} -1^+ \rightarrow \frac{1-(-k)}{0^-} = \frac{1+k}{0^-} = -\infty \Rightarrow 1+k > 0 \Rightarrow k > -1 \end{cases}$$

$$-1^- \rightarrow \frac{1-(-2k)}{0^+} = \frac{1+2k}{0^+} = -\infty \Rightarrow 1+2k < 0 \Rightarrow k < -\frac{1}{2}$$

$$-1 < k < -\frac{1}{2}$$

$$\text{نقطه مماس} \rightarrow (-1, 0)$$

در نواحی آبی