

$$\frac{x}{y} = \frac{a}{r} \rightarrow \Delta y = \frac{r}{a} \Delta x \quad y = \frac{r}{a} x \quad \frac{x+y}{x} = \frac{a}{r} \rightarrow \frac{1 + \frac{r}{a}}{1} = \frac{a}{r} \rightarrow 1 + \frac{r}{a} = \frac{a}{r} \rightarrow \frac{r}{a} = \frac{a}{r} - 1 = \frac{a - r}{a}$$

$$\frac{\frac{1}{x^0}}{x} = \frac{\sqrt{a}+1}{r} \quad \sqrt{x^r+y^r} = \frac{1}{x^0} \quad \rightarrow \left(\frac{x}{y}\right)^r = ?$$

$$\frac{\sqrt{x^r+y^r}}{x} = \frac{\sqrt{a}+1}{r} \quad \rightarrow ry^r = rx^r(1+\sqrt{a}) \rightarrow \frac{ry^r}{rx^r} = \frac{1+\sqrt{a}}{r}$$

$$\frac{r\sqrt{x^r+y^r} - \sqrt{a}x - x}{rx} = 0$$

$$\begin{aligned} (\sqrt{r_a r + r_a})^r &= (r - r_a)^r \\ r_a r + r_a &= r + r_a r - r \\ r_a r - 14a + 2 &= 0 \\ \Delta = 122 \quad a_1 &= \frac{14 + \sqrt{122}}{\frac{r(v)}{12}} = \frac{r}{v} \quad a_r = \frac{14 + \sqrt{122}}{r(v)} = (P) \end{aligned}$$

$$\sqrt{x-1} = t \rightarrow \underline{t \geq 0}$$

$\sqrt{r-x} = t \quad t \geq 0 \quad \rightarrow \quad \sqrt{r-x} = \sqrt{12} \rightarrow \boxed{x = -12}$

$\frac{1}{t+r} - \frac{1}{r-t} = \frac{t^r}{\Delta t}$

$\downarrow$

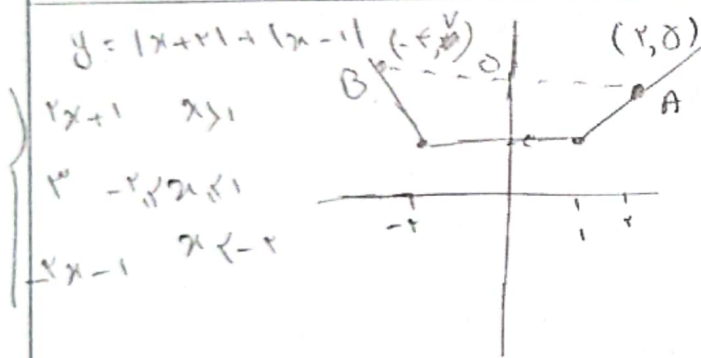
$\frac{-td}{-t^r + 12} = \frac{t^r}{\Delta t} \rightarrow -t^2 + 12 + \frac{t}{t} = 0$

$$\frac{1}{(1-x)^2} = \frac{14x^2 - 4}{4x^2}$$

$$\frac{1}{1-x} = \frac{\sqrt{14x^2 - 4}}{2x}$$

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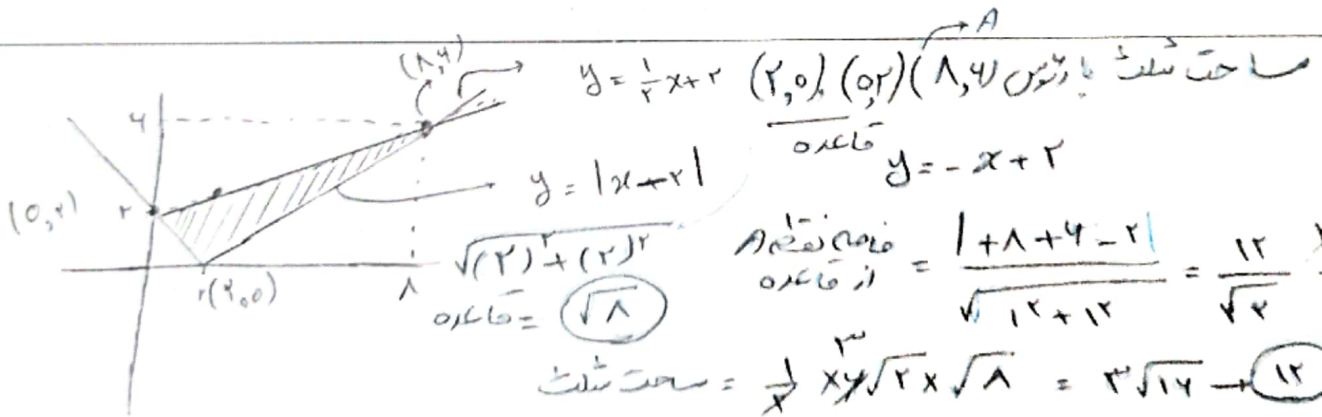
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$$\text{مساحت مثلث A, B} = \sqrt{\left(-\frac{2}{2} - 1\right)^2 + (2-0)^2} = \sqrt{4 + 4} = \sqrt{8}$$

$$\sqrt{F_0} = 2\sqrt{1}$$

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$$\text{مساحت مثلث} = \frac{1}{2} \times \text{طول قاع} \times \text{ارتفاع} = \frac{1}{2} \times 1 \times 2 = 1$$

$$\text{مساحت مثلث} = \frac{1}{2} \times 2 \times \sqrt{2} = \sqrt{2}$$

$$\frac{1}{x} + \frac{1}{2-x} = \frac{1}{10}$$

$$10x - 4 = 10x^2 - 10x$$

$$\frac{1}{x-4} + \frac{1}{x} = \frac{1}{10}$$

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