

$$\frac{-\Delta}{\sqrt{a}} = V \rightarrow -b - 12 = -18 \Rightarrow b^2 = 16 \quad b = \pm 4$$

الف) $f(x) = x^2 + 2x + 3$ $\Delta < 0$ x

ب) $f(x) = (x - 2)^2 - 2(x - 2) - 10$ $\Delta < 0$ x

$$(t - 0)(t + 3) = 0 \quad \begin{cases} t = 0 \\ t = -3 \end{cases}$$

$$x - 2 = 0 \Rightarrow x = 2 \quad x - 2 = -3 \Rightarrow x = -1 \quad x = \pm \sqrt{5}$$

$$x, x^2 \Rightarrow S = x + P = \frac{-b}{a} = -1 \Rightarrow x = 1, x^2 = 3$$

$$P = \frac{c}{a} = \frac{m}{1} = 3 \Rightarrow m = 12$$

$$B = 2x - 5 \Rightarrow S = 2x - 5 = \frac{-b}{a} = 2 \Rightarrow x = 2, B = 0$$

$$P = 0 = \frac{m - 1}{2} \Rightarrow m = 1$$

$$x, \frac{1}{x} \Rightarrow P = 1 = \frac{c}{a} = \frac{m^2 - 2}{-m} = 1 \Rightarrow m^2 - 2 = -m$$

$$(m + 2)(m - 1) = 0 \quad \begin{cases} 1 \rightarrow \Delta > 0 \\ -2 \rightarrow \Delta < 0 \end{cases}$$

$$x = \frac{F}{B^2} \quad P = \frac{c}{a} = 3 = \frac{F}{B^2} \Rightarrow B = \frac{F}{3}, x = \frac{1}{3}$$

$$S = \frac{F}{3} \cdot \frac{1}{3} = \frac{19}{14} = \frac{-b}{a} = m \Rightarrow m = \frac{19}{14}$$

$$K, \varphi \alpha \rightarrow S = F\alpha = \frac{-b}{a} = F \Rightarrow \alpha = 1, \beta = F$$

$$P = \frac{S}{a} \quad (\varphi = m)$$

$$x^w + \frac{1}{x^w} = \left(\alpha_0 \frac{y}{\alpha}\right) \left(\alpha^r y + \frac{F}{\alpha^r}\right) \frac{\frac{S}{a} = F}{\alpha^r} \Rightarrow (\alpha_0 \beta) (\alpha^r + \beta^r y) \quad 1$$

$$(\cdot V)(F - F - F) = 0$$

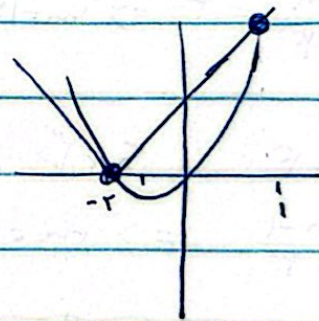
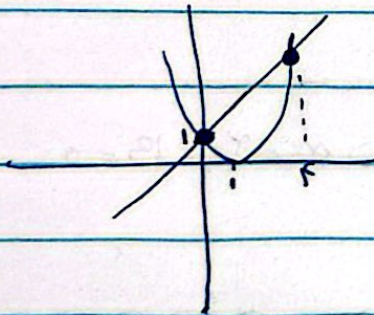
$$h(t) = -\log t^r + \delta \log t$$

$$\log(-t + \Delta) \quad h(t) = 0, \quad t = 0, \quad t = \Delta$$

$$h_{\max} = \frac{-\Delta}{F_0} = \frac{-\delta \times \delta_0}{-F_0} = \delta F_0 \Delta$$

$$(a) \quad (x-1)^2 = 2x_0$$

$$(b) \quad x^2 + 2x = |x_0 y|$$



$$x^2 + 1 - 2x = 2x_0$$

$$x^2 - 2x = 0 \quad x(x-2) = 0 \quad x = 0, 2$$

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$$x^2 + 2x = x_0 y$$

$$x^2 + x - y = 0 \quad \begin{cases} x=1 \\ x=-2 \end{cases}$$

$$x^2 + 2x = x - y$$

$$x^2 + 2x + y = 0 \quad \begin{cases} x=1 \\ x=-2 \end{cases}$$

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