

Subject:

Date:

الإشهاد

$$\frac{-\Delta}{F_0} = -\frac{(b^r - fac)}{F_x - 1} = \frac{b^r - F_x - 1 \times F}{F} = \frac{b^r + 1F}{F} = \checkmark$$

①

②

$$F_0 = b^r + 1F \Rightarrow b^r = 1F \Rightarrow b = \pm F$$

$$\text{أ) } f(x) = x^r + 1x^r + F = 0, \quad x^r = F$$

③

$$F^r + 1F + F = 0, \quad \Delta = \frac{F^r}{F} - \frac{F \times 1 \times F}{1F} = -1, \quad \Delta < 0, \quad \text{لا يوجد حلا}$$

$$\text{ب) } f(x) = (F - x)^r - r(F - x^r) - 1d = 0, \quad F - x^r = F$$

$$F^r - rF - 1d = (F - d)(F + F) = 0$$

④

$$F = d, \quad F = -F$$

$$F - x^r = d \Rightarrow x^r + 1 = 0 \Rightarrow x^r = -1 \quad \text{حلا واحد}$$

$$F - x^r = -F \Rightarrow x^r - F = 0 \Rightarrow (x + \sqrt{F})(x - \sqrt{F}) = 0$$

$$x = \pm \sqrt{F}$$

$$F x^r - 14x + m = 0$$

$$x \quad x + F \quad m$$

⑤

$$\text{مقدار الجذر} = \frac{\sqrt{\Delta}}{|a|} = F \Rightarrow \frac{\sqrt{(14)^2 - F \times F \times m}}{F} = F$$

1, 170

$$\Rightarrow \sqrt{196 - 14m} = 1 \Rightarrow 4F = 196 - 14m$$

$$\Rightarrow m = 14$$

$$F(x^r - Fx + F) = F(x - F)(x - 1) = 0$$

$$\Rightarrow x = 1, F$$

$$F x^r - 14x + F = 0 \Rightarrow \checkmark$$

$$r x^r - 4x + m - 1 = 0 \quad (E)$$

$$r\alpha - \beta = r$$

$$\alpha + \beta = r$$

$$r\alpha = r \Rightarrow \alpha = 1$$

$$\beta = 0 \quad 0 = \frac{m-1}{r} = \frac{c}{a} = \alpha \cdot \beta = \frac{0 \times r}{0}$$

$$\Rightarrow m-1=0 \Rightarrow \boxed{m=1}$$

$$0 = (r)^r - r \times r \times 1 = r^2 - r$$

$$-m x^r + r x + m^r - r = 0$$

$$m \quad (d) \quad \text{وورى بىلەن بىر ئىكەنلىكىنى كۆرسىتىش}$$

$$\frac{m^r - r}{-m} = 1$$

$$\Delta r$$

$$S \Delta$$

$$\text{—} = 1$$

$$\alpha p$$

$$m^r - r = -m \Rightarrow m^r + m - r = 0 \Rightarrow (m+r)/(m-1) =$$

$$\xrightarrow{m=1} -x^r + r x - 1 = 0$$

$$\boxed{-r, 1}$$

$$\Delta = (r)^r - r \times 1 \times 1 = r^2 - r = r(r-1)$$

$$m = -r$$

$$\xrightarrow{m=-r} r x^r + r x + r = 0 \Rightarrow \frac{(r)^r}{14} - \frac{r \times r \times r}{14} = 0$$

$$\boxed{m=1}$$

$$\Delta = 0 \quad \text{دېگەن مەنىدە}$$

$$x^r - 5x + p = 0$$

$$x^r - m x + r = 0$$

$$\alpha \beta^r = r$$

$$p = \alpha \beta = \frac{c}{a} = r$$

$$\beta = \frac{r}{\alpha}$$

$$\alpha \cdot \beta^r = r \Rightarrow \alpha \cdot \frac{r^r}{\alpha^r} = r \Rightarrow \boxed{\alpha = \frac{r}{r^r}}$$

$$S = \frac{14}{14} + \frac{9}{14} = \frac{r r}{14}$$

$$-m = -S \Rightarrow \boxed{m = \frac{r r}{14}}$$

$$2x^r - \frac{r r}{14} + r = 0 \quad \text{RADO}$$

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دانشگاه آزاد

Sa Su Mo TU We Th Fr

$$\frac{x^2 + y^2 + z^2}{x^2 + y^2 + z^2}$$

$$x^2 - \varepsilon x + m = 0$$

$$\frac{x^2}{\alpha} \quad \boxed{m} \quad \textcircled{V}$$

$$S = 3\alpha + \alpha = 4\alpha = -(-\varepsilon) = 4$$

$$\boxed{\alpha = 1}$$

$$4/1$$

$$\textcircled{1, 40}$$

$$P = \alpha \cdot 3\alpha = 3\alpha^2 = 3 \Rightarrow \boxed{m = 3}$$

$$x^2 - 4x + 3 = 0 \quad \checkmark$$

$$\alpha \cdot \beta = 1$$

$$\beta = \frac{1}{\alpha}$$

$$\Leftrightarrow x^2 - vx + 1 = 0$$

$$x^2 - vx + 1 = 0$$

$$\textcircled{1}$$

$$\alpha^2 + \frac{1}{\alpha^2}$$

$$\left(\alpha + \frac{1}{\alpha}\right)^2 = \alpha^2 + \frac{1}{\alpha^2} + \frac{3\alpha\left(\frac{1}{\alpha}\right)}{1} \left(\alpha + \frac{1}{\alpha}\right)$$

$$\Rightarrow \alpha^2 + \frac{1}{\alpha^2} = 3 \cdot 4 - 4 = \boxed{8}$$

$$h(t) = -1.0t^2 + 2.0t$$

ارتفاع جسم تو

زمانی بد تو به زمین

$$\frac{1}{6}$$



$$\frac{-b}{2a} = \frac{-2.0}{-2.0} = 1.0$$

$$\frac{-\Delta}{2a} = -\frac{(b^2 - 4ac)}{2a} = \frac{-2.0^2 - 4(-1.0)(0)}{2(-1.0)} = \frac{-4.0}{-2.0} = 2.0$$

$$-1.0t^2 + 2.0t = 0 \Rightarrow -1.0(t^2 - 2) = 0$$

$$-1.0(t^2 - 2) = 0$$

$$\left. \begin{array}{l} t = 0 \\ t = \sqrt{2} \end{array} \right\}$$

$$(t + \sqrt{2})(t - \sqrt{2}) = 0$$

$$t = \pm \sqrt{2}$$

نقطه برخورد

$$\boxed{t = \sqrt{2}}$$

RADO

الف) $(x-1)^2 = 2x+1$

$x=0$

(1)

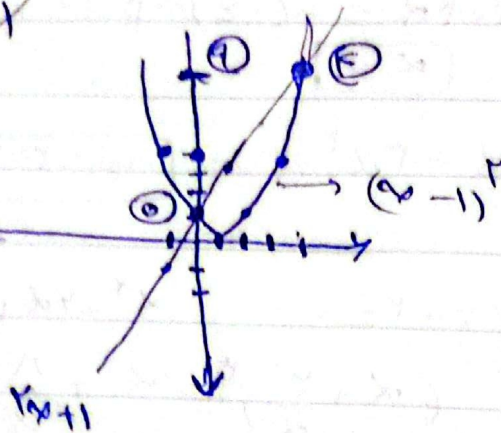
$x^2 - 2x + 1 = 2x + 1$

$x^2 - 4x = 0$

$x(x-4) = 0$

$x=4$ $x=0$

متمم



(2)

(1-2)

$(x+2)(x-1) = 0$

$x^2 + x - 2 = 0$

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

$x > -2$

$x < -2$

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

$x^2 + 3x + 2 = 0$

$(x+2)(x+1) = 0$

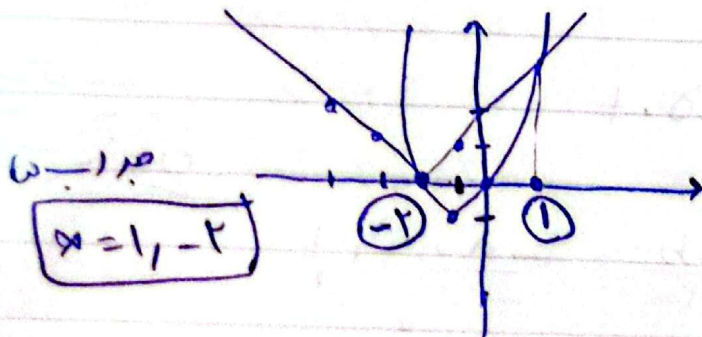
$x = -2$ $x = -1$

غير قابل قبول

ب) $x^2 + 2x = |x+2|$

$x^2 + 2x + 1 = 1$

$(x+1)^2 - 1 = |x+2|$



$x = -1, -2$