

سینا

کتابخانه

$$9a^2 - 2a - 9 = 0$$

$$a^2 - 2a - 9 = 0 \rightarrow (a-9)(a+1) = 0$$

$$\rightarrow a = -1$$

$$9a^2 - 18a - 9 = 0 \rightarrow a^2 - 2a - 1 = 0 \rightarrow (a-9)(a+1) = 0$$

$$\rightarrow a = 1$$

$$9a^2 - 18a - 9 = 0 \rightarrow a^2 - 2a - 1 = 0 \rightarrow (a-9)(a+1) = 0$$

$$9a^2 - 2a - 1 = 0 \rightarrow a^2 - 2a - 1 = 0 \rightarrow (a+3)(a-1) = 0$$

$$a = -1$$

$$a^2 - 2a - 1 = 0 \rightarrow (a-9)(a+1) = 0$$

$$a = 9$$

$$9a^2 + 2a - 9 = 0 \rightarrow a^2 + 2a + 9 = 0$$

$$9a^2 + 2a - 9 = 0 \rightarrow a^2 + 2a + 9 = 0$$

$$a^2 + 2a + 9 = 0$$

$$\Delta = 4 - 36 = -32$$

$$9a^2 + 2a - 9 = 0$$

$$\Delta = 4 - 36 = -32$$

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$$A = \{1, 1, 1\}$$

$$B = \{1, 1, 1\}$$

$$A \times B = \{(1, 1)(1, 1)(1, 1)(1, 1)(1, 1)\}$$

$$B = \{(1, 1)(1, 1)(1, 1)(1, 1)(1, 1)\} \rightarrow A \times B = B = \{(1, 1)(1, 1)(1, 1)(1, 1)(1, 1)\}$$

$$m^1 = m+1$$

$$m^1 m^1 = 0$$

$$(m-1)(m+1) = 0$$

$$m = 1$$

$$m = -1$$

$$m = 1 \rightarrow m = -1$$

$$m = 1$$

$$f(a) = \{(1, a^1), (1, 1(a-1))(a, 1(a+1))\}$$

$$a^1 a - 1 \rightarrow a^1 a + 1 = 0$$

$$a = 1 \rightarrow X$$

$$f(a) = \{a^1 - 1, a^1 \leq 1\}$$

$$a^1 a + b \rightarrow a^1 - 1 \rightarrow 0 = a + b$$

$$-a + b = 0$$

$$a + b = 1$$

$$a = 1, b = -1$$

$$1, 1, 1$$

$$a^1 a - a = 0$$

$$a^1 a - a^1 a = 0 \rightarrow (a - a)(a + a) = 0$$

$$a^1 a - 1 a = 0 \rightarrow a^1 a - a = 0 \rightarrow (a - a)(a + 1) = 0$$

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21

$$f(x) = \begin{cases} x - y & x \geq k \\ x - y & x \leq k \end{cases}$$

$$x - y = x - y$$

$$x - y = x - y$$

$$k = \frac{y}{a}$$

$$y^p - yg = a^p - y(a + y^p)$$

(1)

$$g(x) = y^p$$

ممكن

$$|x| + |y| = y^p \quad x = 1$$

$$y = \pm y$$

X

$$|y| = \sqrt{1 - \cos^2 x} \rightarrow x = a^p$$

$$\frac{1}{p}$$

$$y = \pm \sqrt{\frac{1}{p}}$$

X

$$y^p + x^p + y(a + 1) = 0$$

$$5^p + (a + 1)^p = 0$$

$$y = 0 \quad x = -1$$

(9)

$$y = \sqrt{y} + x^p = y(a - y)$$

$$\sqrt{y} + a^p = y(a - y) \rightarrow x = a^p \sqrt{y} = \sqrt{y} \quad \checkmark$$

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۳۰

اكتوبر
Thursday
١١ جمادى الاولى ١٤٢٨

$$y_1^3 + y_1^2 y = \Delta a_1 \rightarrow$$

$$22 y_1^3 + y_1^2 y_1^4 = \Delta a_1 \int \frac{a_1 = a_1}{y_1}$$

$$y_1^3 + y_1^2 y_1 = \Delta a_1$$

$$y_1^3 + y_1 = y_1^3 + y_1$$

$$y_1^3 - y_1^2 = y_1^2 - y_1 \rightarrow (y_1 - y_1)(y_1^2 + y_1 + y_1 y_1) + (y_1^2)$$

$$(y_1 - y_1)(y_1^2 + y_1^2 + y_1 y_1 + 1) = 0$$

$$y_1^2 = y_1 \sqrt{+ \Delta a_1}$$

$$a_1 = 0$$

$$\text{الف: } a \sin y = y \sin a$$

$$y = \sin \sin y$$

$$X$$

اكتوبر
Friday
١٢ جمادى الاولى ١٤٢٨

$$23: \sqrt{\frac{a}{y}} + \sqrt{\frac{y}{a}} = 1$$

$$\frac{a}{y} + \frac{y}{a} + 1 = 1 \rightarrow \frac{a^2 + y^2}{ay} = 1 \rightarrow$$

$$a^2 + y^2 = ay \rightarrow (a - y)^2 = 0 \rightarrow a = y$$

لا، $x, y \neq 0$

$$(10-ب) \sqrt{\frac{x}{y}} + \sqrt{\frac{y}{x}} = 2$$

این عبارت تنها زمانی برقرار است که $1 = \sqrt{\frac{x}{y}}$ باشد پس

$$\sqrt{\frac{x}{y}} = 1 \leadsto \frac{x}{y} = 1 \leadsto x = y \text{ و } (x, y \neq 0)$$

