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OCTOBER
Monday
2026دوشنبه
۸ جمادی الاول ۱۴۴۸

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لوحه

کتابخانه
و کتبخانه

$$9a^V - \Delta a - 9 = 0$$

$$a^V - \Delta a - 9a = 0 \rightarrow (a-9)(a+\Delta) = 0 \rightarrow a = \frac{\Delta}{9}$$

$$9a^V - \Delta a - 9 = 0 \rightarrow a^V - \Delta a - 9 = 0 \rightarrow (a-9)(a+1) = 0 \rightarrow a = \frac{1}{9}$$

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

$$9a^V - \Delta a - 1 = 0 \rightarrow a^V - \Delta a - 9\Delta = 0 \rightarrow a = \frac{9}{9} - a = -\frac{9}{9} = -1$$

$$a = -\frac{9}{9} = -1$$

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

$$9a^V + \Delta a + 9 = 0 \rightarrow a^V + \Delta a + 9 = 0 \rightarrow (a-9)(a+9) = 0 \rightarrow a = 9$$

$$9 + 9 = 18 \rightarrow -1, -\frac{9}{9}$$

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

$$\Delta = 9 - 18 = -9 \rightarrow (9, 9)$$

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

$$\Delta = 9 + 18 = 27 \rightarrow a = \frac{27}{9} = 3, 0$$

1. 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31

$$A = \{1, 2, 3\}$$

$$B = \{2, 3\}$$

$$A \times B = \{(1, 2), (1, 3), (2, 2), (2, 3), (3, 2), (3, 3)\}$$

$$m^2 = m + 1$$

$$m^2 - m - 1 = 0$$

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

$$m = 1$$

$$m = -1$$

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

$$f(x) = \{(1, a^2), (1, 2a-1)(a, 2a+1)\}$$

$$a^2 = 2a - 1 \rightarrow a^2 - 2a + 1 = 0$$

$$a = 1 \rightarrow X$$

$$f(a) = \begin{cases} a^2 - 1 & a \leq 1 \\ a^2 + b & 1 < a < 2 \\ a^2 & a \geq 2 \end{cases} \rightarrow a = 1 \rightarrow 0 = a + b \quad (4)$$

$$-a + b = 0$$

$$a + b = 1$$

$$a = 1 \quad b = -1 \rightarrow -a - b = 1$$

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

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

$$a = 9$$

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

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

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

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

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

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

$$y^p - yg = a^p - y(a + y) \quad (1)$$

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

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

$$y = \pm y \quad X$$

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

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

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

$$5^p + (a + 1)^p = 0 \rightarrow \checkmark$$

$$y = 0 \quad a = -1 \quad (9)$$

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

$$\sqrt[p]{y^p + a^p} = y(a + 1)^p \rightarrow a = a^p \sqrt[p]{y^p} = \sqrt[p]{y^p} \quad \checkmark$$

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Thursday
11 جمادى الاول 1426

$$y^3 + y = a \rightarrow$$

$$22 y_1^3 + y_1^3 = a a_1 \int \frac{a_1 = a_1}{y_1}$$

$$y_1^3 + y_1 = a a_1$$

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

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

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

$$y_1^2 = y_1 \rightarrow \text{true}$$

$$a_1 = 0$$

$$\text{الف: } a \sin y = y \sin a$$

$$y = a \sin y$$

$$X$$

Friday
12 جمادى الاول 1426

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

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

$$a^2 + y^2 = y a y \rightarrow (a - y)^2 = 0 \rightarrow \boxed{a = y} \checkmark$$