27.02.2024 (вторник)

31)
$$\frac{a^2 - 36b^2}{6ab}$$
: $\left(\frac{1}{6b} - \frac{1}{a}\right)$ при $a = 5\frac{5}{17}$, $b = 5\frac{2}{17}$

$$= \frac{90}{17} + 6.87 - \frac{81}{17} = \frac{90 + 6.87}{17} - \frac{612}{17} = 36$$

33)
$$\frac{7ab}{a+7b} \cdot \left(\frac{a}{7b} - \frac{7b}{a}\right)$$
при $a = 7\sqrt{2} + 7, b = \sqrt{2} - 9$

35)
$$\left(a + \frac{1}{a} + 2\right) \cdot \frac{1}{a+1}$$
 при $a = -5$

$$\frac{Q^{2}+1+281\cdot 1}{Q_{1}\cdot Q_{1}+1} = \frac{(Q_{1}+1)^{2}}{Q_{1}\cdot Q_{1}+1}$$

37)
$$\frac{4a-a^2}{3+a}$$
: $\frac{a^2}{3+a}$ при $a=0,8$

39)
$$\frac{a^2 - 64b^2}{a^2} \cdot \frac{a}{a - 8b}$$
 при $a = \sqrt{448}$, $b = \sqrt{448}$

45)
$$\frac{3ac^2}{a^2-16c^2} \cdot \frac{a-4c}{ac}$$
 при $a=2,1$; $c=-0,4$

$$(a + b^2)$$
 $(a + b^2)$ $(a$

$$\frac{24b(-0+b)}{b(-b-b)} = \frac{b}{61-b} = \frac{93}{0.5} = 0.6$$

51)
$$\left(\frac{a+2b}{a^2-2ab} - \frac{1}{a^2}\right)$$
; $\frac{b}{2b-a}$ при $a=1,6$; $b=\sqrt{2}-1$

$$\frac{(\alpha_1+2b-\alpha_1+2b)\cdot 2b-\alpha}{(\alpha_1-2b)\cdot b} = \frac{4b(2b-\alpha_1)}{(\alpha_1-2b)\cdot b} = \frac{4b(2b-\alpha_1)}{(\alpha_1-2b)\cdot b}$$

54)
$$\frac{7a}{6c} - \frac{49a^2 + 36c^2}{42ac} + \frac{6c - 49a}{7a}$$
 при $a = 71$, $c = 87$

56)
$$\left(a^2 - 100\right) \left(\frac{1}{a + 10} - \frac{1}{a - 10}\right)$$
 при $a = -43$

$$\frac{(q+1)(q+1)}{(q+1)(q-1)} = 0$$

58)
$$\frac{a^{-13} \cdot a^{-6}}{a^{-6}}$$
 при $a =$

$$\frac{\frac{1}{4^{3}}}{\frac{1}{6!^{6}}(3x)^{2} \cdot x^{-8}} = \frac{1}{25} = 0.05$$

$$\frac{(3x) \cdot x}{x^{-12} \cdot 4x^6} = \frac{9 \cdot x^2 \cdot x}{x^{-12} \cdot 4 \cdot x^6} = \frac{9 \cdot x^2 \cdot x}{x^{-12} \cdot 4 \cdot x^6} = \frac{9 \cdot x^2 \cdot x}{x^{-12} \cdot 4 \cdot x^6} = \frac{9 \cdot x^2 \cdot x}{x^{-12} \cdot 4 \cdot x^6} = \frac{9 \cdot x^2 \cdot x}{x^{-12} \cdot 4 \cdot x^6} = \frac{9 \cdot x^2 \cdot x}{x^{-12} \cdot 4 \cdot x^6} = \frac{9 \cdot x^2 \cdot x}{x^{-12} \cdot 4 \cdot x^6} = \frac{9 \cdot x^2 \cdot x}{x^{-12} \cdot 4 \cdot x^6} = \frac{9 \cdot x^2 \cdot x}{x^{-12} \cdot 4 \cdot x^6} = \frac{9 \cdot x^2 \cdot x}{x^{-12} \cdot 4 \cdot x^6} = \frac{9 \cdot x^2 \cdot x}{x^{-12} \cdot 4 \cdot x^6} = \frac{9 \cdot x^2 \cdot x}{x^{-12} \cdot 4 \cdot x^6} = \frac{9 \cdot x^2 \cdot x}{x^{-12} \cdot 4 \cdot x^6} = \frac{9 \cdot x^2 \cdot x}{x^{-12} \cdot 4 \cdot x^6} = \frac{9 \cdot x^2 \cdot x}{x^{-12} \cdot 4 \cdot x^6} = \frac{9 \cdot x^2 \cdot x}{x^{-12} \cdot 4 \cdot x^6} = \frac{9 \cdot x^2 \cdot x}{x^{-12} \cdot 4 \cdot x} = \frac{9 \cdot x^2 \cdot x}{x^{-12} \cdot 4 \cdot x} = \frac{9 \cdot x}{x^{-12} \cdot 4 \cdot x}$$

$$= \frac{9}{4} \cdot \frac{\chi^{2} \cdot \chi^{-8}}{\chi^{-12} \cdot \chi^{6}} = \frac{9}{4} \cdot \frac{\chi^{-8}}{\chi^{-6}} = \frac{9}{4}$$

$$\begin{cases} \frac{\alpha^{-8}}{\alpha^{-6}} = \alpha^{-8}(-6) = 0 \\ = 0 \\ = 0 \end{cases} = \frac{1}{\alpha^{2}} = \frac{1}{25}$$

62)
$$(a+2)^2 - a(4-7a)$$
 при $a=-0.5$

63)
$$(8b-8)(8b+8)-8b(8b+8)$$
 при $b=2,6$

64)
$$(7b+8)(8b+7)-8b(7b+8)$$
 при $b=5,6$

64)
$$(7b+8)(8b+7)-8b(7b+8)$$
 при $b=5,6$
65) $a^{12} \cdot (a^{-4})^4$ при $a=-\frac{1}{2}$ $\sqrt{2}$ \sqrt

67)
$$28ab + (2a - 7b)^2$$
 при $a = \sqrt{15}$; $b = \sqrt{8}$

68)
$$(2x+3y)^2 - 3x\left(\frac{4}{3}x+4y\right)$$
 при $x=2$; $y=\sqrt{3}$

69) Найдите
$$f(7)$$
, если $f(x+5)=2^{4-x}$ $\chi=2=7$ $f(2+5)=2^{4-2}$ $f(7)=2^{4-2}$ $f(7)=2^{4-2}$ $f(7)=2^{4-2}$ $f(7)=2^{4-2}$

70) Найдите
$$f(5)$$
, если $f(x+4)=4^{4-x}$

71) Найдите
$$f(1)$$
, если $f(x-2) = 8^{5-x}$

72) Найдите
$$f(2)$$
, если $f(x-4) = 6^{8-x}$

63)
$$(8b-8)(8b+8)-8b(8b+8)$$
 при $b=2,6$

68)
$$(2x+3y)^2 - 3x\left(\frac{4}{3}x+4y\right)$$
 при $x = 2$; $y = \sqrt{3}$