-ощашная работа NI A 1  $4^{\frac{1}{2}} \cdot 16^{\frac{3}{4}} \cdot 16^{\frac{3}{4}} \cdot 32^{\frac{4}{5}} \cdot 2^{3} = (2^{2})^{\frac{1}{2}} (2^{4})^{\frac{1}{4}} (2^{4})^{\frac{3}{4}} \cdot 2^{-\frac{3}{2}} 2^{-\frac{4}{2}} 2^{\frac{3}{2}}$  $= 2.2^{3}.2^{-3}.2^{-4}.2^{3}=2^{-1}$  $\frac{2}{3} = \frac{2}{3} = \frac{2}{3} = \frac{2}{3} = \frac{2}{3} = \frac{160}{3}$  $= 0.8 \cdot 1.0.09 : 3^{-1} \cdot 1.8 - \frac{192}{125} = \frac{8}{10} \cdot \frac{9}{100} : \frac{1}{3} \cdot \frac{8}{1}$ - 8 9 3 1 192 27 182 1509 10 100 3 8, 125 1000 125 1000 A. 1)  $q^{\frac{2}{3}} \cdot x^{\frac{3}{5}} \cdot q^{\frac{2}{4}} \cdot x^{\frac{2}{3}} = q^{\frac{12}{12}} x^{\frac{15}{15}} = \frac{12\sqrt{a^{\frac{12}{12}}}\sqrt{a^{\frac{12}{12}}}\sqrt{a^{\frac{12}{12}}}\sqrt{a^{\frac{12}{12}}}$ 2)  $a^{\frac{1}{12}} \cdot x^{\frac{5}{6}} \cdot a^{\frac{2}{3}} \cdot x^{\frac{3}{4}} \cdot 6^{0} = a^{\frac{1}{12}} \cdot x^{\frac{19}{12}}$ 6. 1)  $\left( a^{\frac{2}{3}} - x^{\frac{4}{2}} \right) \left( a^{0.5} - x^{0.5} \right)$ Kontrollenere bunpach 1. Kakul rucus naznhawsas uppaywantennus. Beckoner decesuring probb 2. Cyus. un pay 2, bup. gumy guaronam khagpare co eroporos =1? nuaronaus pabra a-12' rge a-cropono ebagnara

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-19 ≠ ±3, espurarenon rucca our ne moxes 75=3 V 16. Copposition upgate no abuse: a) uzbrecenice coput uz npouzbegenus u ynnox enne kopnex: +196 = \$19. \$6, rge a ≥ 0, b ≥0 d) uzbuezenine kopini uz groon u generius kopnesi: eam a 30, 6>0, 00 \$ = 48 B) uzbuerenus ropus uz ropus u ochobnoè ebouerbo ropus eam a≥0, k, c∈N, k>1, e>1, ro 7 va = va r) epabrenue ropresi é ogunarobrame noxazaremente Earl a,>9, >00 0; Va, > Vaz >0 17. Breeuse unox nos znouk kopnis: a) (1-x) \(\frac{x}{x-1}\) ecu x > 1  $\sqrt{(1-x)^2} \sqrt{\frac{x}{x-1}} = \sqrt{\frac{1-x(x)^2}{x-1}} \sqrt{\frac{x(1-x)^2}{x-1}} = \sqrt{\frac{x(1-x)^2}{x-1}} = \sqrt{\frac{x(1-x)(1-x)}{x-1}}$  $= -\sqrt{\frac{x(1-x)(1-x)}{1-x}} = -\sqrt{x(1-x)}$  $\delta) (q-3) \sqrt{a^2 - 6a + 9} = \sqrt{(a-3)^2} \sqrt{a^2 - 6a + 9} = \sqrt{\frac{2a}{(a+3)^2}} = \sqrt{2a}$ 18. Вынесные иножитель за знак кория a)  $\sqrt{(1-\alpha)^3} = \sqrt{(1-\alpha)^2(1-\alpha)} = 1-\alpha\sqrt{1-\alpha^2}$ 0) Vas(a-3)= = Vasa(a-3)2(a-3)2(a-3) = a(a-3) Va-3 B) -1x5(x-7)2 = x2(x-7)-1x8





