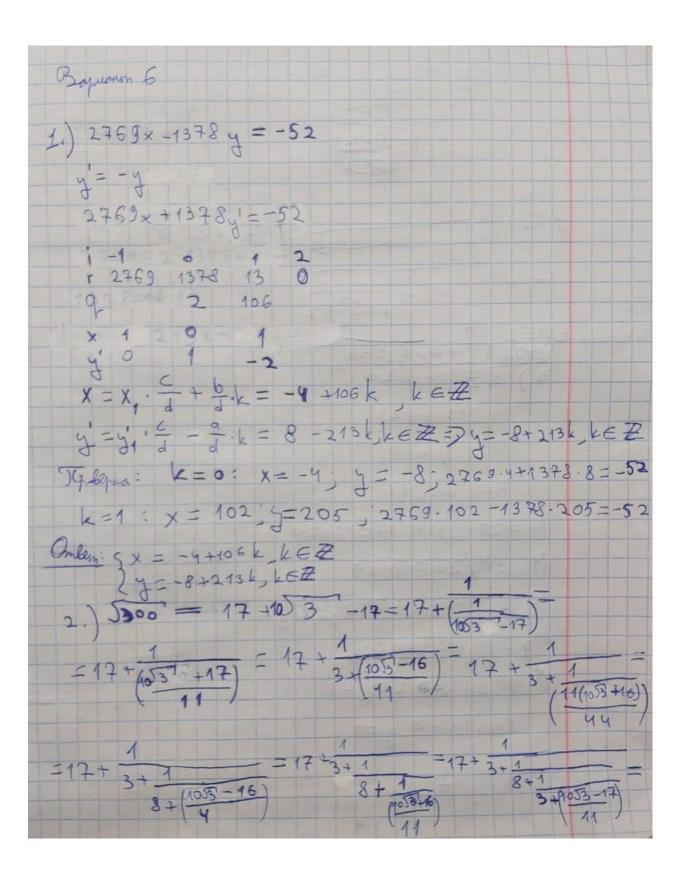
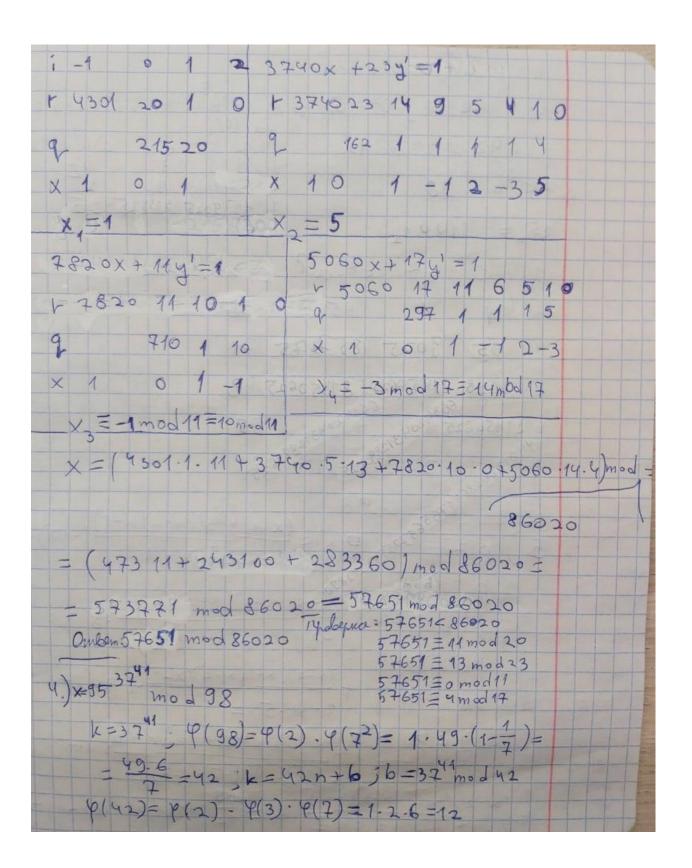
Muagel 0362 Baymanin 6 1. {x=-4+106k KEZ 1. {y=-8+213k KEZ 2. [17.38334] 3x=57651 mod 86020 4. 31 mod 98 5. p(x)=2x'-5x3-8x2+4x+13 7.43 8 52 9 [1; 4,123,2] 10. x3+2x2



-17+3+1 8+1 =[17,38,3,54] 3+1 Tyslepun: 34=2.17 Ombem: [17:38,339] 3.) X=11mod 20 X= 13 mod 23 X = Omody X=4 mod 17 M = 20.23.11.17=86020 M1 = M/20 = 4301 M2=M/23=3740, M3=M/11=7820 My= M/17 =5060 4301 = 20y+1 4301x-20 y=1



 $-\frac{1}{2}(x-2)(x-3)(x+2)(x-1) = \frac{1}{2}(x-2)(x+1)(x+2)(x-1)+$ + = (x-2)(x+1)(x-3)(x+1)+= (x-2)(x+1)(x-3)(x+2)= $=\frac{19}{12}\left(x^{2}-1\right)(x-3)(x+2)-\frac{1}{3}(x^{2}-4)(x-3)(x-1) \frac{1}{2}(x^2-4)(x^2-1)+\frac{3}{4}(x^2-1)(x-2)(x-3)+\frac{1}{2}(x^2-4)(x+1)(x-3)=$ $= -\frac{1}{2} \times \frac{1}{2} \times \frac{1}{2} \times \frac{2}{12} \times \frac{2}{12} \times \frac{2}{12} \times \frac{2}{12} \times \frac{2}{12} \times \frac{3}{12} \times \frac{3}{12}$ $+(x^2-y)(-\frac{1}{3}(x-1)+\frac{1}{2}(x+1))=-\frac{1}{2}x^4+\frac{5}{2}x^2-2+$ $+(x-3)(x^2-1)(\frac{7}{3}x+\frac{5}{3})+(x^2-4)(\frac{1}{6}x+\frac{5}{6})=$ $=-\frac{1}{2}\times^{4}+\frac{1}{5}\times^{2}-2+(\times^{-3})(\frac{1}{3}\times^{3}+\frac{5}{3}\times^{2}-\frac{1}{2}\times-\frac{5}{2}+\frac{1}{6}\times^{3}+$ +5x2-2x-10)=-1x4+5x2-2+(x-3)(5x3+5x2-3x-5)= $= -\frac{1}{2} \times \frac{15}{2} \times \frac{2}{2} + \frac{5}{2} \times \frac{4}{2} + \frac{5}{2} \times \frac{3}{2} - \frac{15}{2} \times \frac{3}{2} - \frac{15}{2} \times \frac{2}{2} + 9 \times + 15 = \frac{15}{2} \times \frac{3}{2} + \frac{15}{$ Thelepra: degp=4 = 2 x4-5x3-8x2+4x+13 p(2)=-19 anbern: p(x) = 2x4-5x3-8x2+4x+13 p(-1) = 8 p(3)=-20 6.) x4-5x3-6x2+7x-2 P(2)=45 -5 -6 7 -2 p(1)=6 Tyologua: f(1) = -5 +(-1)=-9 0 + f(2)= -36 f(-2)= 16

7.) 8 x +36g = 423g T 8, =810 36,=3.9+6.9=27+6=33,0 423 = 4.92+2.91+3.9= 324+18+3=345 8x+ 33 = 345 10 $\frac{x = 39_{10} = 4.9^{1} + 3.9^{2} = 43_{9}}{4.33_{9}}$ $\frac{4}{3} = \frac{4}{3} = \frac{3}{3} = \frac{4}{3} = \frac{9}{3} = \frac{1}{3} = \frac{1}{3}$ 8x=312 $8_{g} \times = 376_{g} \implies x = 43_{g}$ $\begin{array}{c|c}
376_{g} & 8_{g} \\
\hline
35_{g} & 43 \\
\hline
26
\end{array}$ Omben: 4 3g 3 Jt. 8 mo d 68 25x = 8mod 68 y = - 3 25x +68y = 8 + 68 25 18 7 4 3 10 [-152=52 mod 88 9 2 1 2 1 1 3 Owlern: 52 × 0 1 -2 3 -8 11 -19 Owlern: 52 x=-19.8+68k LEZ

