$$2.003.\frac{(\sqrt{a^2+a\sqrt{a^2+b^2}}-\sqrt{a^2-a\sqrt{a^2-b^2}})^2}{2\sqrt{a^3b}}(\sqrt{\frac{a}{b}}+\sqrt{\frac{b}{a}}-2)$$

$$2.008.((\frac{2^{\frac{3}{2}}+27y^{\frac{3}{5}}}{\sqrt{2}+3\sqrt[5]{y}}+3\sqrt[10]{32y^2}-2)3^{-2})^5$$

$$2.014.\frac{x-y}{x^{\frac{3}{4}}+x^{\frac{1}{2}}y^{\frac{1}{4}}}*\frac{x^{\frac{1}{2}}y^{\frac{1}{4}}+x^{\frac{1}{4}}y^{\frac{1}{2}}}{x^{\frac{1}{2}}+y^{\frac{1}{2}}}*\frac{x^{\frac{1}{4}}y^{-\frac{1}{4}}}{x^{\frac{1}{2}}-2x^{\frac{1}{4}}y^{\frac{1}{4}}+y^{\frac{1}{2}}}$$

$$2.018.(\frac{1+x+x^2}{2x+x^2}+2-\frac{1-x+x^2}{2x-x^2})^{-1}\left(5-2x^2\right);x=\sqrt{3,92}$$

$$2.025.\frac{a^3-a-2b-b^2a^{-1}}{\left(1-\sqrt{\frac{1}{a}+\frac{b}{a^2}}\right)\left(a+\sqrt{a+b}\right)}:\left(\frac{a^3+a+ab+ba^2}{a^2-b^2}+\frac{b}{a-b}\right)$$

$a=23b=22$

$$2.028.\frac{x\left(x^2-a^2\right)^{\frac{1}{2}}+1}{a(x-a)^{-\frac{1}{2}}+(x-a)^{\frac{1}{2}}}:\frac{a^2\sqrt{x+a}}{x-(x^2-a^2)^{\frac{1}{2}}}+\frac{1}{x^2+ax}$$

$$2.034.1-\frac{\frac{1}{\sqrt{a-b}}-\sqrt{a+1}}{\frac{1}{\sqrt{a+1}}-\frac{1}{\sqrt{a-1}}}:\frac{\sqrt{a+1}\sqrt{a^2-1}}{(a-1)\sqrt{a+1}-(a+1)\sqrt{a-1}}$$

$$2.036.(\sqrt[4]{36mn^2p}+m\sqrt{\frac{3n}{m}}+\sqrt{3pn})(\sqrt[4]{36mn^2p}-\sqrt{mn}-p\sqrt{\frac{3n}{p}})$$

$$2.039.\frac{9b^{\frac{4}{3}}-\frac{a^{3/2}}{b^2}}{\sqrt{a^{3/2}*2b^{-2}+6a^{3/4}b^{-1/3}+9b^{4/3}}}*\frac{b^2}{a^{3/4}-3b^{5/3}};b=4$$

$$2.040.\frac{\frac{1}{a}-\frac{1}{b+c}}{\frac{1}{a}+\frac{1}{b+c}}\left(1+\frac{b^2+c^2-a^2}{2bc}\right):\frac{a-b-c}{abc};a=0,02,b=-11,05,c=1,07$$

$$2.048.\frac{(2p-q)^2+2q^2-3pq}{2p^{-1}+q^2}:\frac{4p^2-3pq}{2+pq^2};p=0,78,q=\frac{7}{25}$$

$$2.058.\left(\frac{1}{a}+\frac{1}{b+c}\right):\left(\frac{1}{a}-\frac{1}{b+c}\right):\left(1+\frac{b^2+c^2-a^2}{2bc}\right);a=1\frac{33}{40},b=0,625,c=3,2$$

$$2.069.\ \frac{a^{7/3}-2a^{5/3}b+a^{2/3}b^{4/3}}{a^{5/3}-a^{4/3}b^{1/3}-ab^{2/3}+a^{2/3}b}:a^{1/3}$$

$$2.079.\left(\sqrt{\sqrt{m}-\sqrt{\frac{m^2-a}{m}}}+\sqrt{\sqrt{m}+\sqrt{\frac{m^2-a}{m}}}\right):\sqrt[4]{\frac{m^2}{4}}$$

$$2.085.\left(\frac{a\sqrt{a}+b\sqrt{b}}{\sqrt{a}+\sqrt{b}}-\sqrt{ab}\right)\left(\frac{\sqrt{a}+\sqrt{b}}{a-b}\right)^2$$

$$2.097.\frac{\left(\sqrt{x}+2\right)\left(\frac{2}{\sqrt{x}}-1\right)-\left(\sqrt{x}-2\right)\left(\frac{2}{\sqrt{x}}+1\right)-\frac{8}{\sqrt{x}}}{\left(2-\sqrt{x+2}\right):\left(\sqrt{\frac{2}{x}+1}-\frac{2}{\sqrt{x}}\right)}$$

$$2.114.\left(\frac{9-4a^{-2}}{3a^{-1/2}+2a^{-3/2}}-\frac{1+a^{-1}-6a^{-2}}{a^{-1/2}+3a^{-3/2}}\right)^4$$

$$2.121.\sqrt[4]{32\sqrt[3]{4}}+\sqrt[4]{64\sqrt[3]{\frac{1}{2}}}-3\sqrt[3]{2\sqrt[4]{2}}$$

$$2.127.\left(\sqrt{3-\sqrt{5}}\right)*\left(3+\sqrt{5}\right)\left(\sqrt{10}-\sqrt{2}\right)=8$$

$$2.158.\sqrt[4]{\left(1-2a+a^2\right)\left(a^2-1\right)(a-1)}:\frac{a^2+2a-3}{\sqrt[4]{a+1}}$$

$$2.160.\frac{\left(a^2b\sqrt{b}-6a^{5/3}b^{5/4}+12ab\sqrt[3]{a}-8ab^{3/4}\right)^{2/3}}{ab\sqrt[3]{a}-4ab^{3/4}+4a^{2/3}\sqrt{b}}$$

2.164. $\frac{x^2+2x-3+(x+1)\sqrt{x^2-9}}{x^2-2x-3+(x-1)\sqrt{x^2-9}};\ x\geq 3$

2.177. $\frac{2x-x|x-1|+x|x|+3}{|x|+x^2}$

2.171. $\frac{\frac{x+y}{\sqrt{x}-\sqrt{y}}-\frac{x-y}{\sqrt{x}+\sqrt{y}}}{\frac{\sqrt{x}-\sqrt{y}}{x+y}+\frac{\sqrt{x}+\sqrt{y}}{x-y}}*\frac{y-\sqrt{xy}+x}{2\sqrt{xy}}$

2.182. $\frac{\left(ab\left(x^2+y^2\right)+xy\left(a^2+b^2\right)\right)\left((ax+by)^2-4abxy\right)}{ab\left(x^2-y^2\right)+xy\left(a^2-b^2\right)}$

2.193 $\frac{\sqrt{\sqrt{3}+2}*\sqrt[4]{7-4\sqrt{3}}+\sqrt[3]{\sqrt{x}(x+27)-9x-27}}{\sqrt{x}-2-\sqrt{2-\sqrt{3}}*\sqrt[4]{7+4\sqrt{3}}}$

2.196. $\frac{|x^2-1|+x^2}{2x^2-1}-\frac{|x-1|}{x-1}$

2.225 $\left(x^2-6x+1+\left(\frac{\frac{x-3}{1+3x}-\frac{x-5}{1+5x}}{\frac{(x-5)(x-3)}{(1-5x)(1+3x)}+1}\right)^{-1}\right)^{1/2}$

A gruh

6.007 $\frac{x^2}{a^3}+\frac{b^3}{x^2}=\frac{b}{a}+\frac{b^2}{a^2}$

6.011 $\frac{x-2}{x-1}+\frac{x+2}{x+1}=\frac{x-4}{x-3}+\frac{x+4}{x+3}-\frac{28}{15}$

6.015 $\frac{7(x-2)(x-3)(x-4)}{(2x-7)(x+2)(x-6)}=-2$

6.018 $x^2+x+x^{-1}+x^{-2}=4(x+x^{-1}=z)$

6.030. $\left(\frac{x^2+6}{x^2-4}\right)^2=\left(\frac{5x}{4-x^2}\right)^2$

6040. $\sqrt[3]{24+\sqrt{x}}-\sqrt[3]{5+\sqrt{x}}=1$

6.043. $\sqrt{x^2+32}-2\sqrt[4]{x^2+32}=3$

6.036 $\sqrt{3x+7}-\sqrt{x+1}=2$

6.054. $\sqrt{5+\sqrt[3]{x}}+\sqrt{5-\sqrt[3]{x}}=\sqrt[3]{x}$

6.062 $\sqrt{3x^2+1}+\sqrt{x^2+3}=\sqrt{6x^2+10}$

6.067 $\begin{cases}(x+0,2)^2+(x+0,2)^2=1\\ x+y=0,9\end{cases}$

6.075 $\begin{cases}x^2y+xy^2=6\\ xy+x+y=5\end{cases}$

6.095 $\begin{cases}3x+2y+2z=13\\ 2x+3y+2z=14\\ 2x+2y+3z=15\end{cases}$

6.109. $\begin{cases}\sqrt[3]{x}+\sqrt[3]{y}=4\\ x+y=28\end{cases}$

6.114. $\begin{cases}y\sqrt{2x}-x\sqrt{2y}=0\\ xy^2-x^2y=30\end{cases}$

B gruh

6.159. $\sqrt{x+2}-\sqrt[3]{3x+2}=0$

6.163. $5\sqrt[15]{x^{22}}+\sqrt[15]{x^{14}\sqrt{x}}-22\sqrt[15]{x^{7}}=0$

6.167. $\sqrt{x^2+x+4}+\sqrt{x^2+x+1}=\sqrt{2x^2+2x+9}$

6.169. $\sqrt{x}+\dfrac{2x+1}{x+2}=2$

6.175. $\sqrt[3]{x-1}+\sqrt[3]{x-2}-\sqrt[3]{2x-3}=0$

6.178. $\dfrac{\sqrt{(a-x)^2}+\sqrt{(a-x)(b-x)}+\sqrt{(b-x)^2}}{\sqrt{(a-x)^2}-\sqrt{(a-x)(b-x)}+\sqrt{(b-x)^2}}=\dfrac{7}{3}$

6.182. $|x|^3+|x-1|^3=9$

6.183. $\begin{cases} xy(x+1)(y+1)=72 \\ (x-1)(y-1)=2 \end{cases}$

6.185. $\begin{cases} x^2+2y^2=17 \\ x^2-2xy=-3 \end{cases}$

6.195. $\begin{cases} x^2+y^2-2x+3y-9=0 \\ 2x^2+2y^2+x-5y-1=0 \end{cases}$

6.199. $\begin{cases} \dfrac{x-1}{2}=\dfrac{y+3}{3}=\dfrac{z-1}{4} \\ 2x+3y-5z+19=0 \end{cases}$

6.201. $\begin{cases} \dfrac{4}{x+y-1}-\dfrac{5}{2x-y+3}+\dfrac{5}{2}=0 \\ \dfrac{3}{x+y-1}+\dfrac{1}{2x-y+3}+\dfrac{7}{5}=0 \end{cases}$

6.205. $\begin{cases} \dfrac{3}{x^2+y^2-1}+\dfrac{2y}{x}=1 \\ x^2+y^2+\dfrac{4x}{y}=22 \end{cases}$

6.207 $\begin{cases} x+y+z=6 \\ x(y+z)=5 \\ y(x+z)=8 \end{cases}$

6.222 $\begin{cases} \sqrt{\dfrac{x+1}{x+y}}+\sqrt{\dfrac{x+y}{x+1}}=2 \\ \sqrt{\dfrac{x+1}{x+2}}-\sqrt{\dfrac{y+2}{x+1}}=1,5 \end{cases}$

6.224 $\begin{cases} \sqrt{x+y}+\sqrt{y+z}=3 \\ \sqrt{y+z}+\sqrt{z+x}=5 \\ \sqrt{x+z}+\sqrt{y+x}=4 \end{cases}$

6.224 $\begin{cases} \sqrt{x+y}+\sqrt{y+z}=3 \\ \sqrt{y+z}+\sqrt{z+x}=5 \\ \sqrt{x+z}+\sqrt{y+x}=4 \end{cases}$

6.231 $\begin{cases} \sqrt{x+y}+\sqrt{2x+y+2}=7 \\ 3x+2y=23 \end{cases}$

6.235. $\begin{cases} \sqrt[3]{\dfrac{y+1}{x}}-2\sqrt[3]{\dfrac{x}{y+1}}=1 \\ \sqrt{x+y+1}+\sqrt{x-y+10}=5 \end{cases}$

6.235. $\begin{cases} \sqrt[3]{\dfrac{y+1}{x}}-2\sqrt[3]{\dfrac{x}{y+1}}=1 \\ \sqrt{x+y+1}+\sqrt{x-y+10}=5 \end{cases}$

7.021.3 $\log_5 2+2-x=\log_5(3^x-5^{2-x})$

7.023. $\log_{1-x}3-\log_{1-x}2-0,5=0$

$$7.025. \log_2 182 - 2\log_2 \sqrt{5-x} = \log_2 (11-x) + 1$$

$$7.031. \log_5 (x-2) + \log_{\sqrt{5}} (x^3 - 2) + \log_{0,2} (x-2) = 4$$

$$7.035. \log_3 (81^x + 3^{2x}) = 3\log_{27} 90$$

$$7.037. \log_6 (3^{x^2} + 1) - \log_6 (3^{2-x^2} + 9) = \log_6 2 - 1$$

$$7.041. \lg \sqrt{5^{x(13-x)}} + 11\lg 2 = 11$$

$$7.043. \lg(81\sqrt[3]{3^{x^2-8x}}) = 0$$

$$7.048 ..... 0.5(\lg(x^2 - 55 + 90) - \lg(x-36)) = \lg\sqrt{2}$$

$$7.059. \sqrt{3} * 3^{\frac{x}{1+\sqrt{x}}} * (\frac{1}{3})^{\frac{2+\sqrt{x+x}}{2(1+\sqrt{x})}} = 81$$

$$7.051 \frac{\lg 8 - \lg(x-5)}{\lg\sqrt{x+7} - \lg 2} = -1$$

$$7.055. \log_3 (3^x - 8) = 2 - x$$

$$7.059. \sqrt{3} * 3^{\frac{x}{1+\sqrt{x}}} * (\frac{1}{3})^{\frac{2+\sqrt{x+x}}{2(1+\sqrt{x})}} = 81$$

$$7.069. \log_{\sqrt{5}} (4^x - 6) - \log_{\sqrt{5}} (2^x - 2) = 2$$

$$7.080. \lg(\sqrt{6+x} + 6) = \frac{2}{\log_{\sqrt{x}} 10}$$

$$7.090. 27^{\lg x} - 7 * 9^{\lg x} - 9^{\lg x} - 21 * 3^{\lg x} + 27 = 0$$

$$7.094. 4^{\log_5 x^2} - 4^{\log_5 x + 1} + 4^{\log_5 x - 1} - 1 = 0$$

$$7.099. \lg(3-x) - \frac{1}{3}\lg(27 - x^3) = 0$$

$$7.109. 5^{2x-1} - 2^{2x} - 5^{2x} + 2^{2x+2} = 0$$

$$7.113. x^{\lg x} = 1000x^2$$

$$7.119. 4^{2\log_8 (2x-2)} * 0.25^{\log_8 (2x+3)} = \sqrt[3]{16}$$

$$7.152. \log_2 (2^{x^2}) + \log_2 x * x^{\log_x (\log_2 x + 1)} + \frac{1}{2}\log_4^2 x^4 + 2^{3\log_{0.5}\log_2 x}$$

7.166. $\sqrt{\log_{0.04} x+1}+\sqrt{\log_{0.2} x+3}=1$

7.170. $\log_2(2-x)-\log_2(2-\sqrt{x})=\log_2\sqrt{2-x}-0,5$

7.188 $\sqrt{\log_5^2 x+\log_x^2 5+2}=2,5$

7.200. $\frac{1+2\log_9 2}{\log_9 x}-1=2\log_x 3*\log_9(12-x)$

7.090. $27^{\lg x}-7*9^{\lg x}-9^{\lg x}-21*3^{\lg x}+27=0$

7.222. $3*16^x+2*81^x=5*36^x$

7.232. $\log_{x^2} 16+\log_{2x} 64=3$

7.237. $4\log_4^2(-x)+2\log_4 x^2=-1$

7.240. $\lg^4(x-1)^2+\lg^2(x-1)^3=25$

7.245. $\log_{1-x}(2x^3+2x^2-3x+1)=3$

7.247. $\sqrt{\log_5 x}+\sqrt[3]{\log_5 x}=2$

7.119. $4^{2\log_8(2x-2)}*0.25^{\log_8(2x+3)}=\sqrt[3]{16}$

A guruh

9.019. $y=\sqrt{\log_{0.3}\log_3\frac{x+1}{x-1}}$

9.021. $y=\sqrt{5-x-\frac{6}{x}}$

Tengsizlikni yeching (9.022-3.035):

9.025. $\log_\pi(x+27)-\log_\pi(16-2x)<\log_\pi x$

9.029. $\frac{1}{3x-2-x^2}-\frac{3}{7x-4-3x^2}>0$

9.032. $\left|2x^2-9x+15\right|\geq 20$.

9.034. $5x-20\leq x^2\leq 8x$.

9.036. $\frac{\log_{0.3}\left(\frac{10}{7}(\log_2 5-1)\right)}{(x-8)(2-x)} > 0.$

9.044. $\frac{\sqrt{17-15x-2x^2}}{x+3} > 0.$

9.049. $\lg 10^{\lg(x^2+21)} > 1+\lg x.$

9.052. $2^{1-2^{\frac{1}{x}}} < 0.125$

9.054. $5^{2x+1} > 5^x + 4.$

9.061. $25^x < 6\cdot 5^x - 5$

9.064. $(\frac{2}{7})^{3(2x-7)} \cdot 12.25^{\frac{4x+1}{2}} \geq 1$

9.066. $0.64 < \sqrt{0.8^{x(x-3)}} < 1$

9.070. $\log_{1.5}\frac{2x-8}{x-2} < 0$

B guruh

9.123. $y = \frac{\sqrt{4x-x^2}}{\log_3|x-4|}$

9.125. $y = \sqrt{\log_{1/3}\log_3|x-3|}$

9.127. $y = \sqrt[4]{2-\lg|x-2|}$

9.133. $\frac{|x+2|-|x|}{\sqrt{4-x^3}} > 0$

9.137. $log_2^4 x - log_{0.5}^2 \frac{x^3}{8} + 9\log_2\frac{32}{x^2} < 4log_{0.5}^2 x$

9.141. $\sqrt{9^x - 3^{x+2}} > 3^x - 9$

9.143. $\sqrt{x+3} < \sqrt{x-1} + \sqrt{x-2}$.

9.148. $\frac{x^4+3x^3+4x^2-8}{x^2} < 0$.

9.150. $\frac{\log_{0.3}|x-2|}{x^2-4x} < 0$.

9.154. $\frac{2-x}{x^3+x^2} > \frac{1-2x}{x^3-3x^2}$.

9.159. $2\log_3 \log_3 x + \log_{1/3} \log_3\left(9\sqrt[3]{x}\right) \geq 1$.

9.164. $\log_3 \log_4 \frac{4x-1}{x+1} - \log_{1/3} \log_{1/4} \frac{x+1}{4x-1} < 0$.

9.168. $\sqrt{\frac{1}{x^2} - \frac{3}{4}} < \frac{1}{x} - \frac{1}{2}$.

9.172. $(x-3)\sqrt{x^2+4} \leq x^2 - 9$.

9.175. $\log_{0.2} x + \log_4 x > 1$.

9.178. $x^{0.5\log_{0.5} x - 3} \geq 0.5^{3-2.5\log_{0.5} x}$.

9.184. $\log_{0.25}\left|\frac{2x+1}{x+3} + \frac{1}{2}\right| > \frac{1}{2}$.

9.189. $\log_5 \sqrt{3x+4} \cdot \log_x 5 > 1$.

9.192. $\sqrt{x^2+3x+4} > -2$.

9.195. $\log_3 \log_{x^2} \log_{x^2} x^4 > 0$.

9.201. $\frac{1}{\log_2(x-1)} < \frac{1}{\log_2 \sqrt{x+1}}$.

9.203. $5^{log_5^2 x} + x^{\log_5 x} < 10$.

9.208. $\sqrt{x^2-9x+20} \leq \sqrt{x-1} \leq \sqrt{x^2-13}$.

9.209. $\begin{cases} \frac{x^2+4}{x^2-16x+64} > 0, \\ \lg\sqrt{x+7} > \lg(x-5) - 2\lg 2. \end{cases}$

9.213. $\begin{cases} |x^2+5x|<6, \\ |x+1|\le 1. \end{cases}$

A topar

10.02. Ultanları 20 hám 12 sm bolgan teń qaptallı trapeciyaga. Sırtlay sızılgan sheńberdiń orayınıń úlken ultanda jatatuǵını belgili bolsa, trapeciyanıń diagonalın hám qaptal tárepin tabıń.

10.04.Rombtıń doǵal múyeshinen ótkerilgen biyikligi oniń tárepin súyir múyesh tóbesinen esaplaganda, m hám n uzınlıqtaǵı kesindilerge bóledi. Rombtiń diagonalların anıqlań.

10.06 Radiusları $R=3$ sm hám $r=1$ sm bolgan sheńberler sırtınan urınadı. Sheńberlerdiń tiyiw noqatınan olardıń ulıwma urinbalarına shekemgi qashıqlıqlardı tabıńız.

10.08 Qaptal tárepi 4 sm ge teń bolgan teń qaptallı úshmúyeshliktiń qaptal tárepine mediana ótkerilgen. Eger mediananıń uzınlıǵı 3 sm ge teń bolsa, úshmúyeshliktiń ultanın tabıń.

10.010 Duris úshmúyeshliktiń hárbir tárepi úshewden teń bólekke bólingen hám sáykes bóliniw noqatları bir-birin menen bir baǵıtta esaplaǵanda óz-ara tutastırılǵan. Payda bolg'an duris úshmúyeshlikke radiusı $r=6$ sm bolgan sheńber ishine sızılǵan. Úshmúyeshliktiń táreplerin anıqlań.

10.012 Sheńberde jatpaytuǵın A noqattan urinba hám kesiwshi ótkerilgen. A dan uriniw noqatina shekem bolgan aralıq 16 sm ge teń. A noqattan kesiwshiniń sheńber menen kesilisiw noqatlarınan birine shekemgi aralıq 32 sm ge teń. Eger kesiwshi sheńberdiń orayınan 5 sm uzaqlıqta bolsa, onıń radiusın tabıń.

10.014. Sheńberdin xordası 10 sm ge teń. Xordanıń bir tóbesinen sheńberge urinba, ekinshisinen bolsa urinbaǵa parallel bolǵan kesiwshi ótkerilgen. Eger kesiwshiniń sheńber ishindegi kesindisi 12 sm ge teń bolsa, sheńberdin radiusın tabıń.

10.016. Múyeshi 90° hám radiusi R bolgan AOB sektorga OA, OB kesindilerge hám AB dogaga urınıwshı sheńber ishley sızılgan.Sheńber radiusın tabıń.

10.018. Agar ABC uchburchakda $BC=8$ sm, AC va BC tomonlarga o‘tkazilgan balandliklarning uzunliklari mos ravishda $6,4$ ham 4 sm ga teng bo'lsa, AB va AC tomonlarning uzunliklarini toping.

10.020 Eki teń dóńgelektiń kesilisiwine diagonalları 12 hám 6 sm bolgan romb ishley sızılgan. Sheńberlerdiń radiusların tabıń.

10.022 Eger tuwri múyeshli úshmúyeshliktiń gipotenuzasına júrgizilgen mediana tuwri múyeshti $1:2$ qatnasta bolsa, úshmúyeshliktiń súyir múyeshlerin anıqlań.

10.024. Trapeciyanıń parallel tárepleri uzınlıqları 25 hám 4 sm ge, parallel bolmagan tárepleriniń uzınlıqları bolsa 20 hám 13 sm ge teń. Trapeciyanıń biyikligin tabıń.

10.026 Sheńber sırtındaǵı noqattan, ogan uzınlıǵı 12 sm bolgan kesiwshi hám uzınlıǵı kesiwshiniń sheńber ishindegi kesindisiniń bólegine teń bolgan urinba ótkerilgen.Urınbanıń uzınlıǵın tabıń.

10.028 Teń qaptallı trapeciyanıń ultanları a hám b ga, qaptal tárepi e ge, diagonalı bolsa d ga teń. $d^2 = ab + c^2$ ekenligin dálilleń.

10.030 Kvadratqa sırtlay etip, onıń tárepleri tuwrı múyeshli úshmúyeshlikler jasalgan hám olardıń tóbeleri izbe-iz tutastırılǵan. Payda bolgan tórtmúyeshlik perimetriniń berilgen kvadrat perimetrine qatnasın anıqlań.

10.032 Úshmúyeshliktiń eki tárepiniń uzınlıqları 6 sm hám 3 sm ekenligi belgili. Eger berilgen tárepler ótkerilgen bolsa biyiklikler qosındısınıń yarımı úshinshi biyiklikke teń bolsa, úshmúyeshliktiń úshinshi tárepiniń uzınlıǵın tabıń.

10.034 Bir noqattan sheńberge eki urinba ótkerilgen. Hárbir urinbanıń uzınlıǵı 12 sm, urinba noqatları arasındaǵı aralıq bolsa $14,4$ sm. Sheńberdin radiusın tabıń.

10.036 Bir múyeshi 60° bolgan tuwri múyeshli úshmúyeshlikke tárepi 6 sm ge teń bolgan romb sonday etip ishley sızılgan, 60° li múyesh olar ushın uliwma, rombtıń barlıq múyeshleri tóbeleri úshmúyeshliktiń tárepleri̇nde jatadı. Úshmúyeshliktiń tárepleri̇n tabıń.

10.038 Parallelogramnıń perimetri 90 sm ge teń, súyir múyeshi 60°. Parallelogramnıń diagonalı onıń dogal múyeshin $1:7$ qatnasta bóledi. Parallelogramnıń tárepleri̇n tabıń.

10.040 Tuwri múyeshli úshmúyeshlikke yarım sheńber sonday ishine sızılgan, diametr gipotenuza ústinde jatadı, al oray bolsa gipotenuzanı 15 hám 20 sm li kesindilerge bóledi. Úshmúyeshliktiń maydanın hám ishley sızılgan yarım sheńberdin uzınlıǵın tabıń.

10.042