Sınaq	11					
	Riyaziyyat					
1	C	11	C	21	A
2	D	12	E	22	E
3	E	13	B	23	5
4	C	14	B	24	50
5	D	15	E	25	2
6	A	16	A	26	6
7	A	17	D	27	1C2AD3E
8	A	18	E		
9	D	19	E		
10	D	20	D		

I qrup

28.

I üsul

$180° \cdot \frac{48-4}{90} = 88°$

$x + x + 88° = 180°$

$2x = 92°; \quad x = 46°$

II üsul

$\frac{\alpha - \beta}{\alpha + \beta} = \frac{44}{90} = \frac{22}{45}$

$45\alpha - 45\beta = 22\alpha + 22\beta$

$23\alpha = 67\beta; \quad \alpha = 63k;\ \beta = 23k$

$63k + 23k = 180°$

$k = 2°; \ 23 \cdot 2° = 46°$

29.

$2(y+1) - 3y = -k$

$-y + 2 = -k$

$y = k + 2$

$x = k + 3$

$xy = (k+2)(k+3) =$

$= k^2 + 5k + 6 = (k+2,5)^2 - 0,25$

$k = -2,5$

30.

$$\frac{1}{h^2} = \frac{1}{\left(\frac{ab}{c}\right)^2} = \frac{c^2}{a^2b^2} = \frac{a^2+b^2}{a^2b^2} = \frac{a^2}{a^2b^2} + \frac{b^2}{a^2b^2} = \frac{1}{b^2} + \frac{1}{a^2}$$

II qrup

28.

$450 \cdot \frac{60}{100} = 270$

$\frac{1}{12}k + \frac{1}{6}k + \frac{1}{4}k = 270$

$\frac{1+2+3}{12}k = 270$

$k = 270 \cdot 2 = 540$

$\frac{1}{4} \cdot 540 = 135$

29.

$12k + 6k + 4k = 11$

$22k = 11$

$k = 0,5$

$540 \cdot \frac{1}{12} = 45; \quad 540 \cdot \frac{1}{6} = 90$

$12 \cdot 0,5 = 6; \quad 6 \cdot 0,5 = 3$

$(45 - 6x) \cdot 5 = 90 - 3x$

$225 - 30x = 90 - 3x$

$-27x = -135$

$x = 5$

30.

$\frac{5,2}{x} = \frac{78}{99}$

$x = \frac{5,2 \cdot 99}{78}$

$x = 6,6$

$\begin{cases} 10x + 20y = 1000 \\ 5,2x + 6,6y = 406 \end{cases}$

$\begin{cases} x + 2y = 100 \\ 52x + 66y = 4060 \end{cases}$

$\begin{cases} 52x + 104y = 5200 \\ 52x + 66y = 4060 \end{cases}$

$38y = 1140$

$y = 30$