

Sınaq		5			
		Riyaziyyat			
1	A	11	C	21	B
2	B	12	B	22	E
3	B	13	E	23	70
4	C	14	C	24	13.5
5	B	15	E	25	3
6	A	16	A	26	8
7	B	17	B	27	1C2D3E
8	D	18	D		
9	B	19	C		
10	B	20	D		

### I qrup

Sual 28.

Həlli:

$$\Theta\text{KOB}(a, b) = ab, \Theta\text{KOB}(b, c) = bc$$

$$\frac{1}{ab} + \frac{1}{bc} = \frac{c+a}{abc}$$

$$\frac{c+a}{abc} = \frac{2b}{abc} = \frac{2}{ac} = \frac{2}{a^2+2a} = \frac{2}{b^2-1} = \frac{2}{c^2-2c}$$

Sual 29.

Həlli:

$$\frac{a^{-\frac{1}{6}} \cdot a^{\frac{1}{12}}}{a^{\frac{1}{2}} \cdot a^{\frac{1}{3}} \cdot a^{\frac{1}{6}}} = \frac{a^{\frac{1-2-1}{12}}}{a^{\frac{3+2+2}{12}}} = \frac{a^{-\frac{2}{12}}}{a^{\frac{7}{12}}} = a^{-\frac{9}{12}-\frac{6}{12}} = a^{-\frac{3}{2}} = a^{-\frac{1}{2}}$$

Sual 30.

Həlli:

$$\begin{aligned} \angle ACD &= 90^\circ - \alpha \\ \angle DCE &= x \\ \angle ECB &= 90 - \alpha + x \\ \alpha + 2 \cdot (90^\circ - \alpha + x) + \beta &= 180^\circ \\ \alpha + 180^\circ - 2\alpha + 2x + \beta &= 180^\circ \\ 2x &= \alpha - \beta \\ x &= \frac{\alpha - \beta}{2} \end{aligned}$$

### II qrup

Sual 28.

Həlli:

$$\begin{aligned} 1350 \cdot \frac{30}{100} &= 405 \\ 405 &= 5t^2 \\ t^2 &= 81 \\ t &= 9 \end{aligned}$$

Sual 29.

Həlli:

$$\begin{aligned} 59 &= 1,8 \cdot C + 32 & \frac{100}{1350} &= \frac{0,6}{x} \\ 1,8 \cdot C &= 27 & 100x &= 810 \\ C &= 15 & x &= 8,1 \\ 15 + 8,1 &= 23,1 \end{aligned}$$

Sual 30.

Həlli: I üsul

$$\begin{aligned} 720 \text{ km} / \text{saat} &= 720 \cdot \frac{1000 \text{ m}}{3600 \text{ san}} = \\ &= 200 \text{ m} / \text{san} \\ 9 \cdot 200 &= 1800 \text{ m} \end{aligned}$$

II üsul

$$\begin{aligned} 720 \text{ km} / \text{saat} &= \frac{720 \text{ km}}{3600 \text{ san}} = \\ &= 0,2 \text{ km} / \text{san} \\ 9 \cdot 0,2 &= 1,8 \text{ km} = 1800 \text{ m} \end{aligned}$$