

*Решение задач  
на готовых чертежах.  
Итоговое повторение.*

*Часть 2.  
Окружность.  
Многоугольники.*

*Геометрия.*

*9 класс.*

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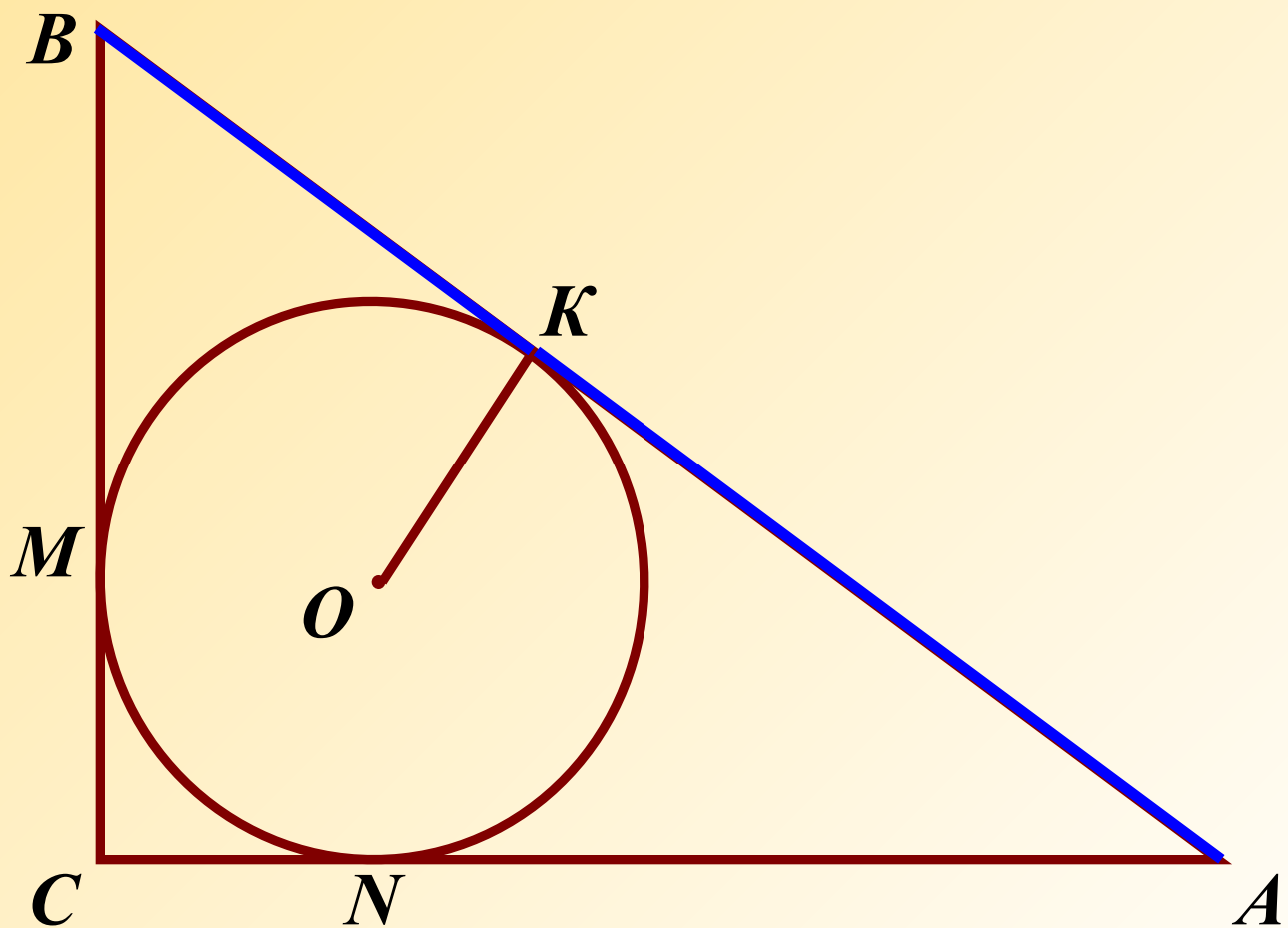
1.

**Дано:**

$$\hat{I} \hat{E} \hat{D} \cdot (\hat{I}, \hat{I} \hat{E}), \hat{I} \hat{E} = 3 \tilde{n} \hat{i}$$
$$\hat{A} \hat{A} = 15 \tilde{n} \hat{i}$$

**Найти:**

$$\hat{A} \hat{E}, \hat{E} \hat{B}$$



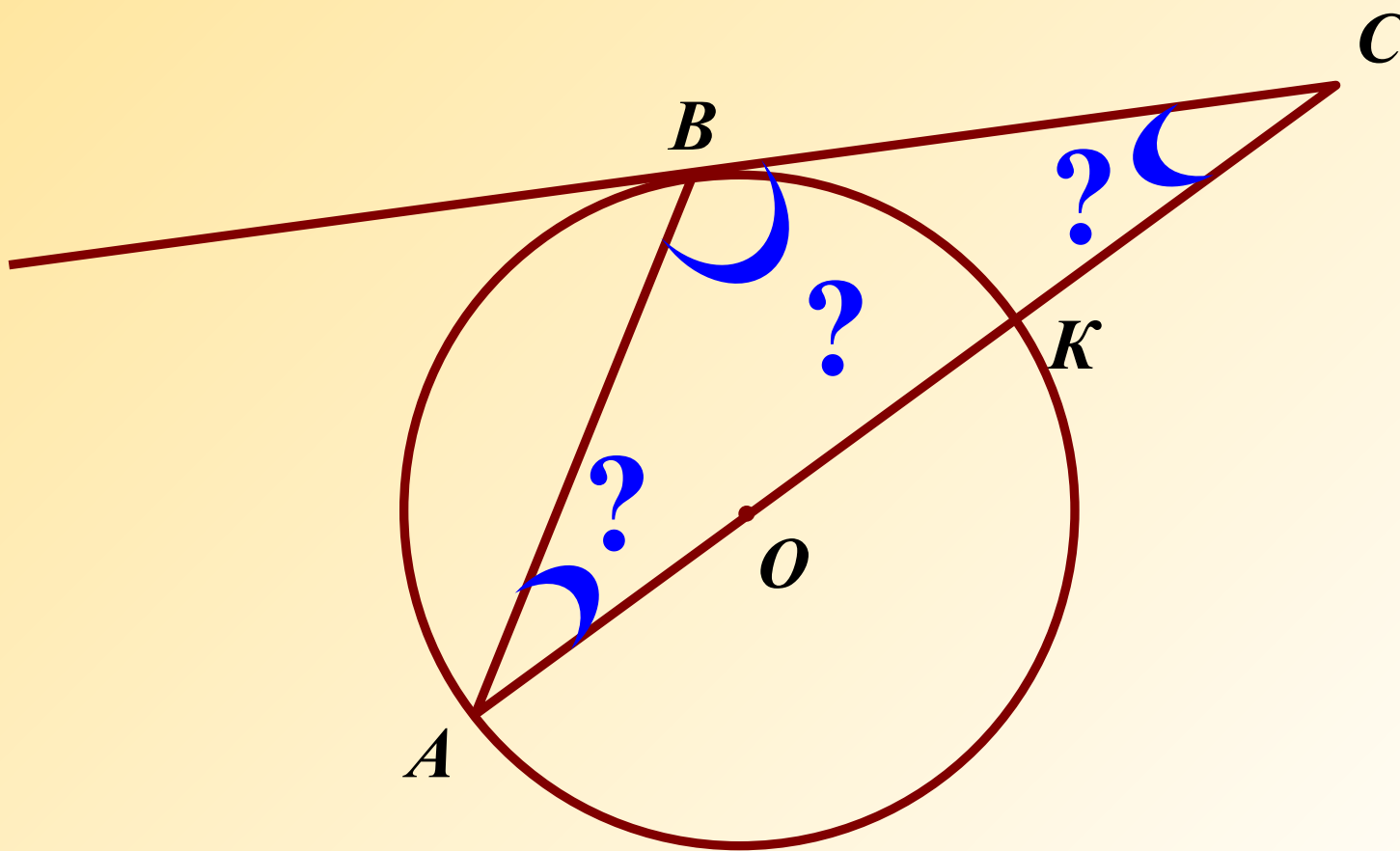
2.

**Дано:**

$B - \text{òî÷êà êğñà íèÿ}$  ,  
 $\cup BE = 58^\circ$

**Найти:**

$\angle A$ ,  $\angle A$ ,  $\angle C$



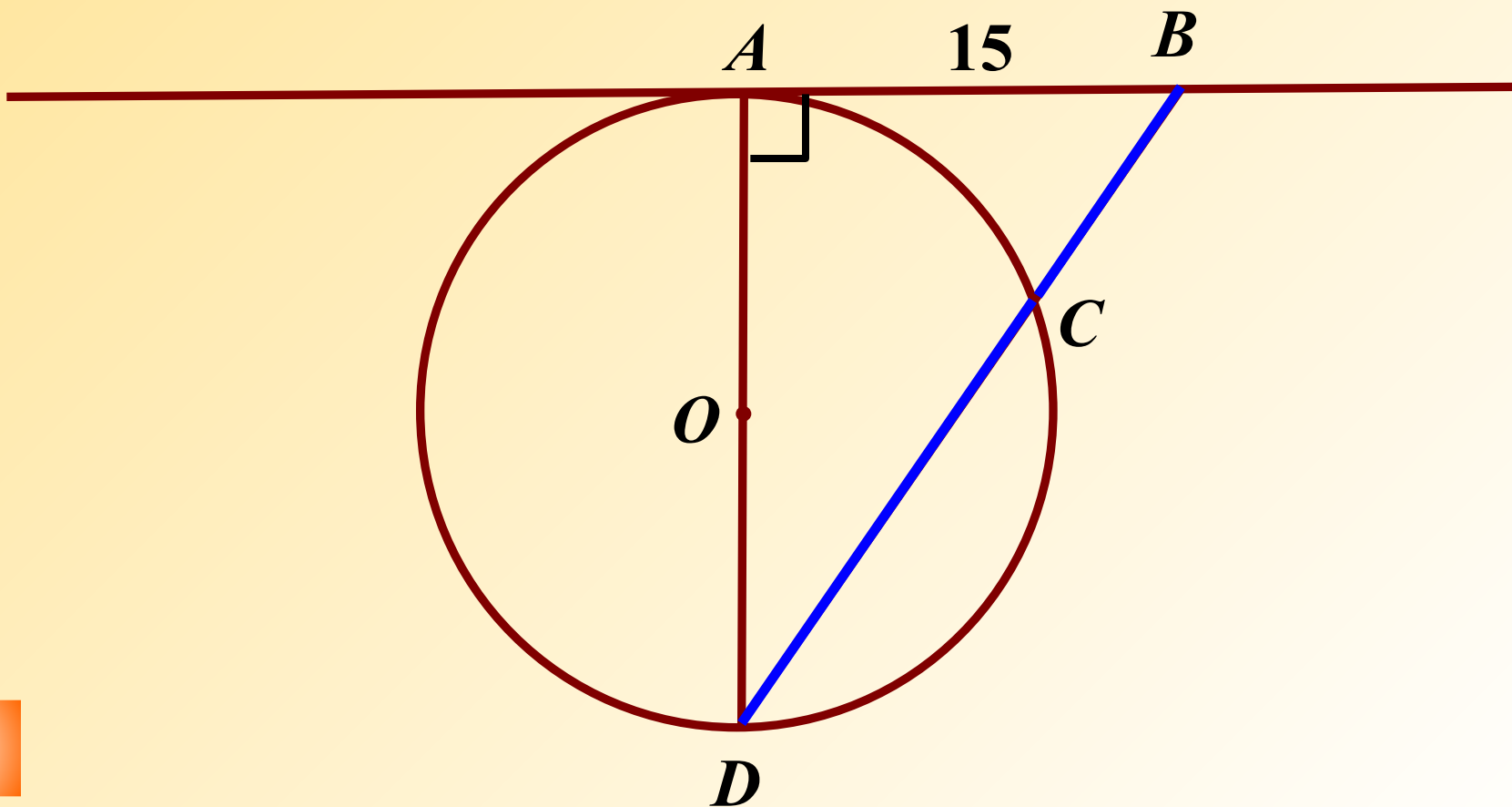
3.

*Дано:*

$\hat{I}\hat{e}\hat{d} \cdot (\hat{I}, R), AB = 15$

*Найти:*

$DC, BC$



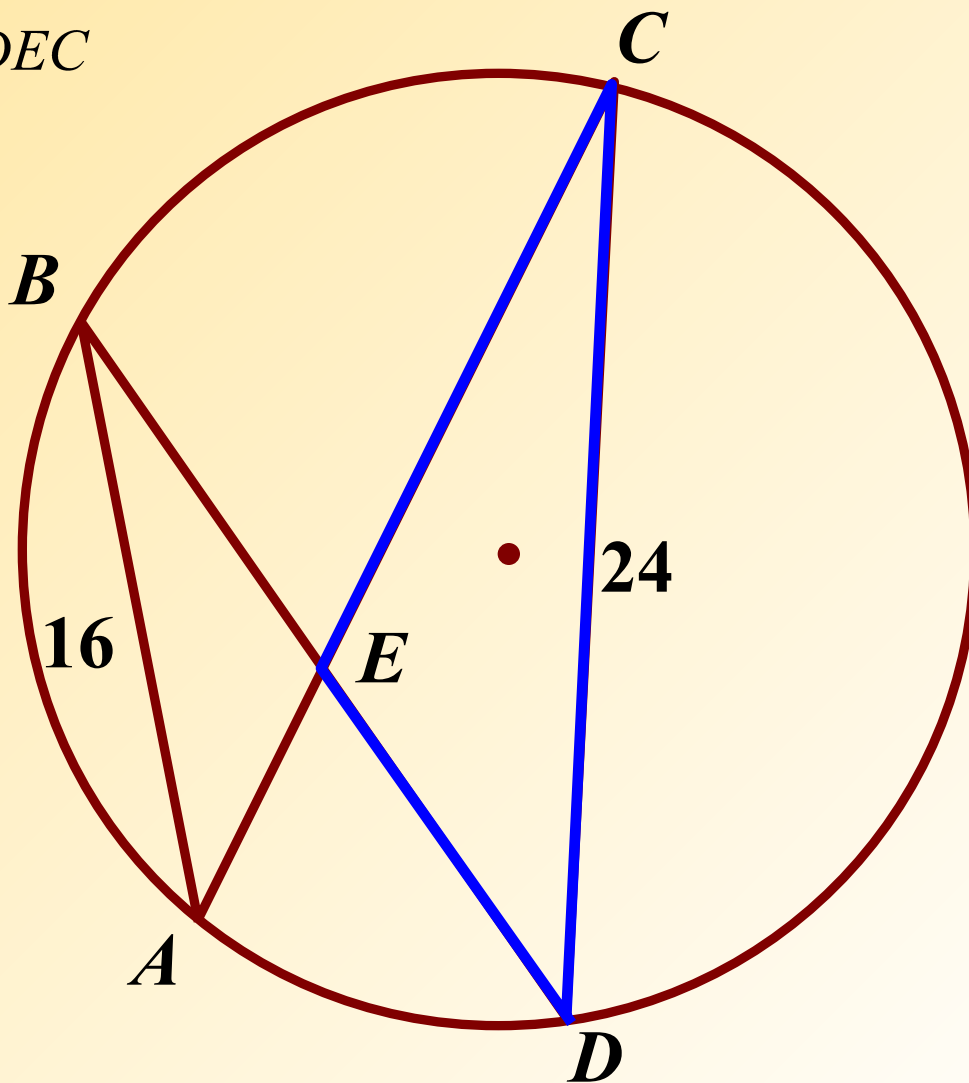
4.

*Дано:*

$$P_{ABE} = 28$$

*Найти:*

$$P_{DEC}$$



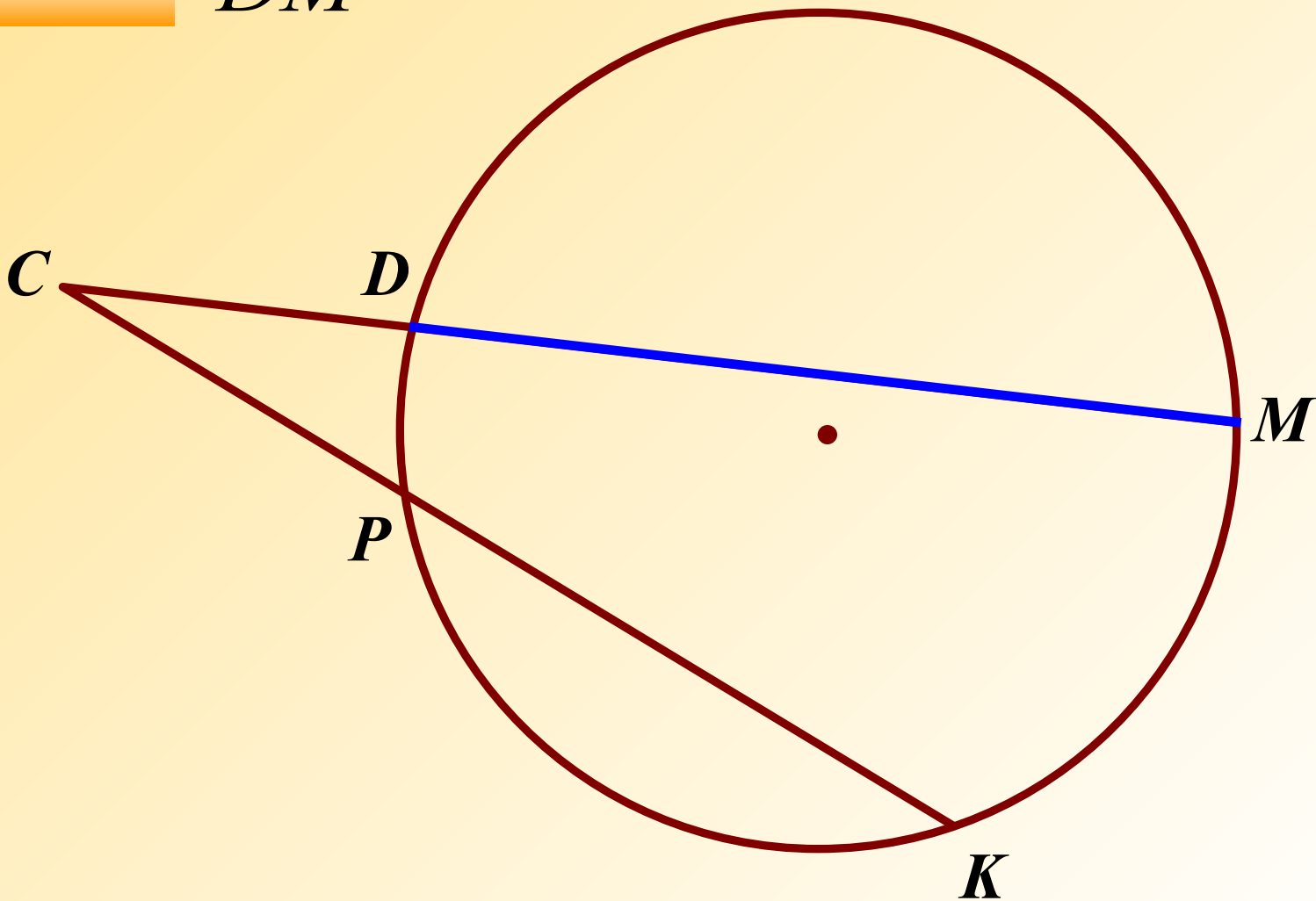
5.

*Дано:*

$$CK = 16, CP = 6, CM = 24$$

*Найти:*

$DM$



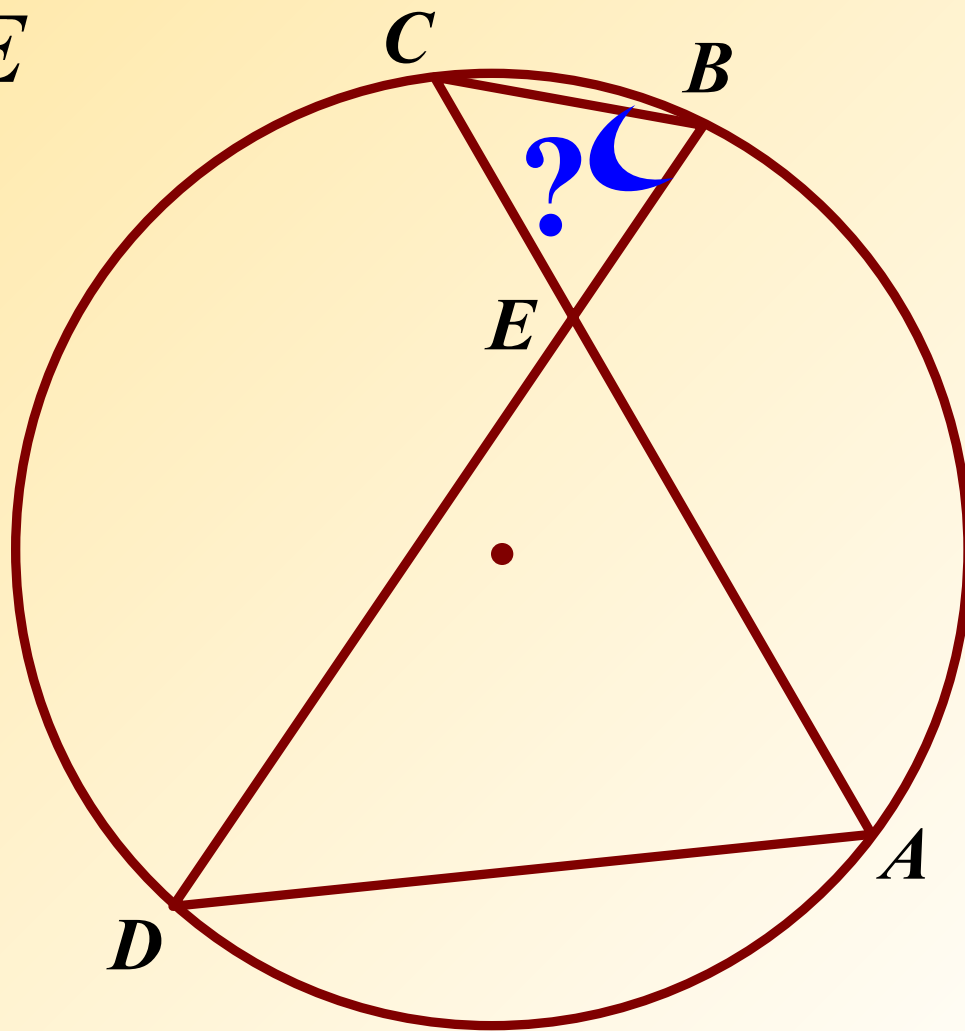
6.

**Дано:**

$\angle DEC > \angle BEC$  à 9 đầç,  
 $\angle DAE > \angle BEC$  íà  $61^{\circ}$

**Найти:**

$\angle CBE$





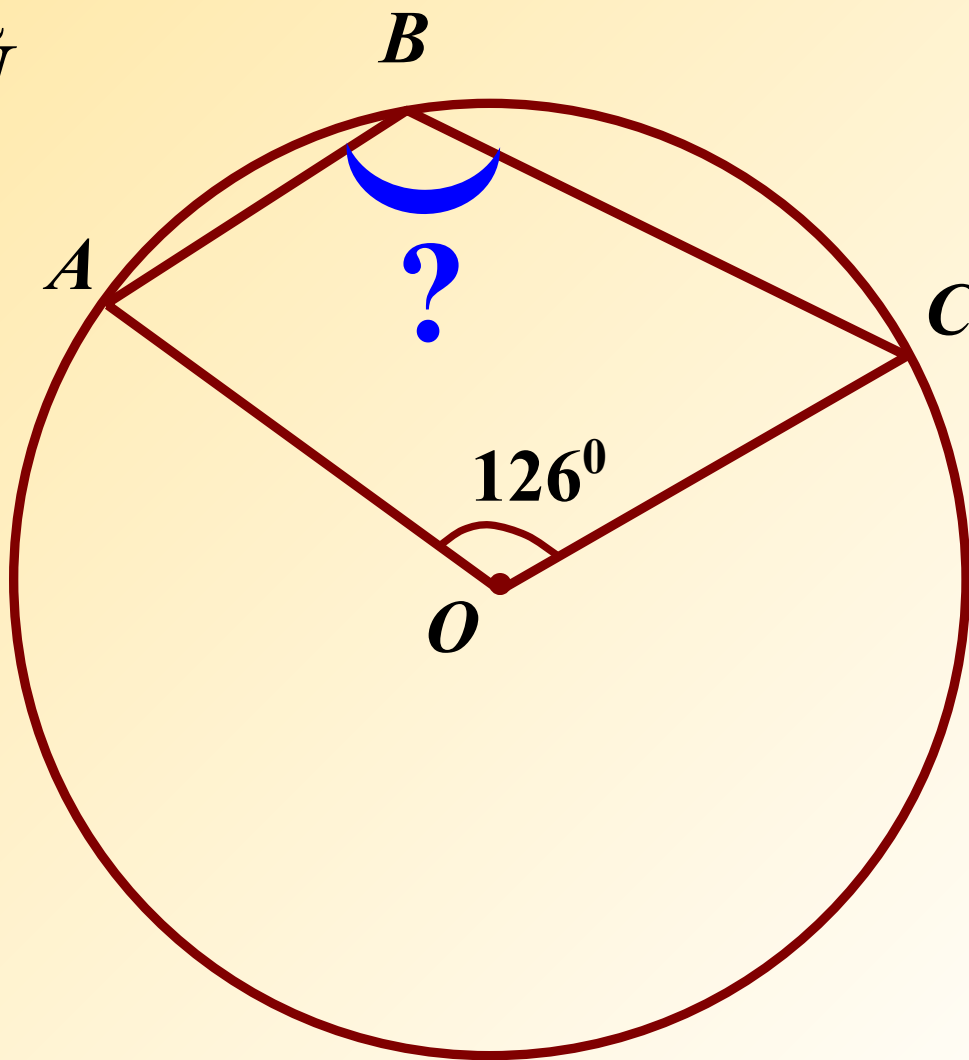
7.

Дано:

$\hat{I} \hat{e} \delta . (\hat{I} , R)$

Найти:

$\angle A \hat{A} \tilde{N}$



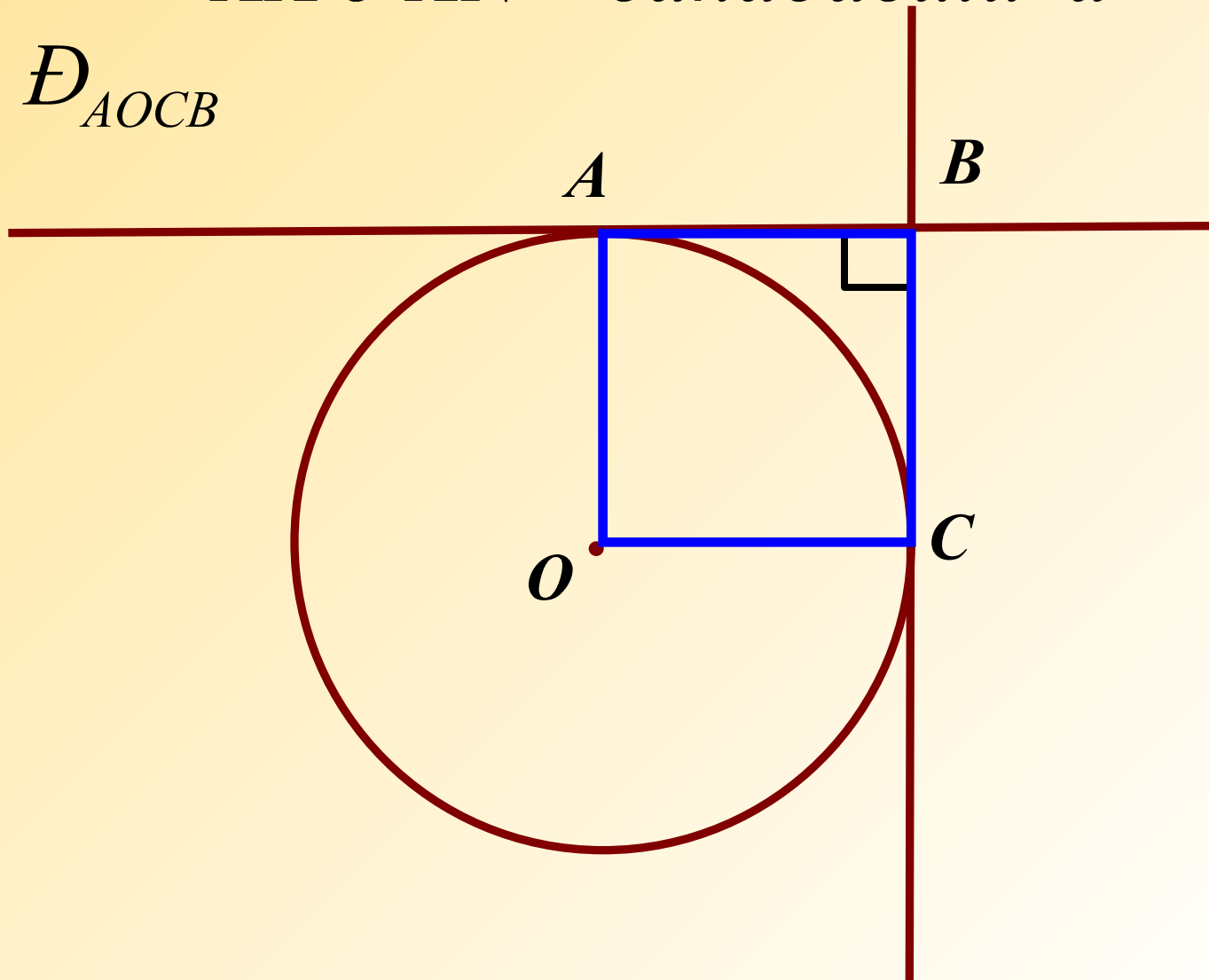
8.

Дано:

$\hat{I} \hat{e} \hat{o} . (\hat{I} , R), R = 11$   
 $\hat{A} \hat{A} \hat{e} \hat{A} \hat{N} \hat{N} - \hat{e} \hat{a} \hat{n} \hat{a} \hat{o} \hat{a} \hat{e} \hat{i} \hat{i} \hat{u} \hat{a}$

Найти:

$\mathcal{D}_{AOCB}$



9.

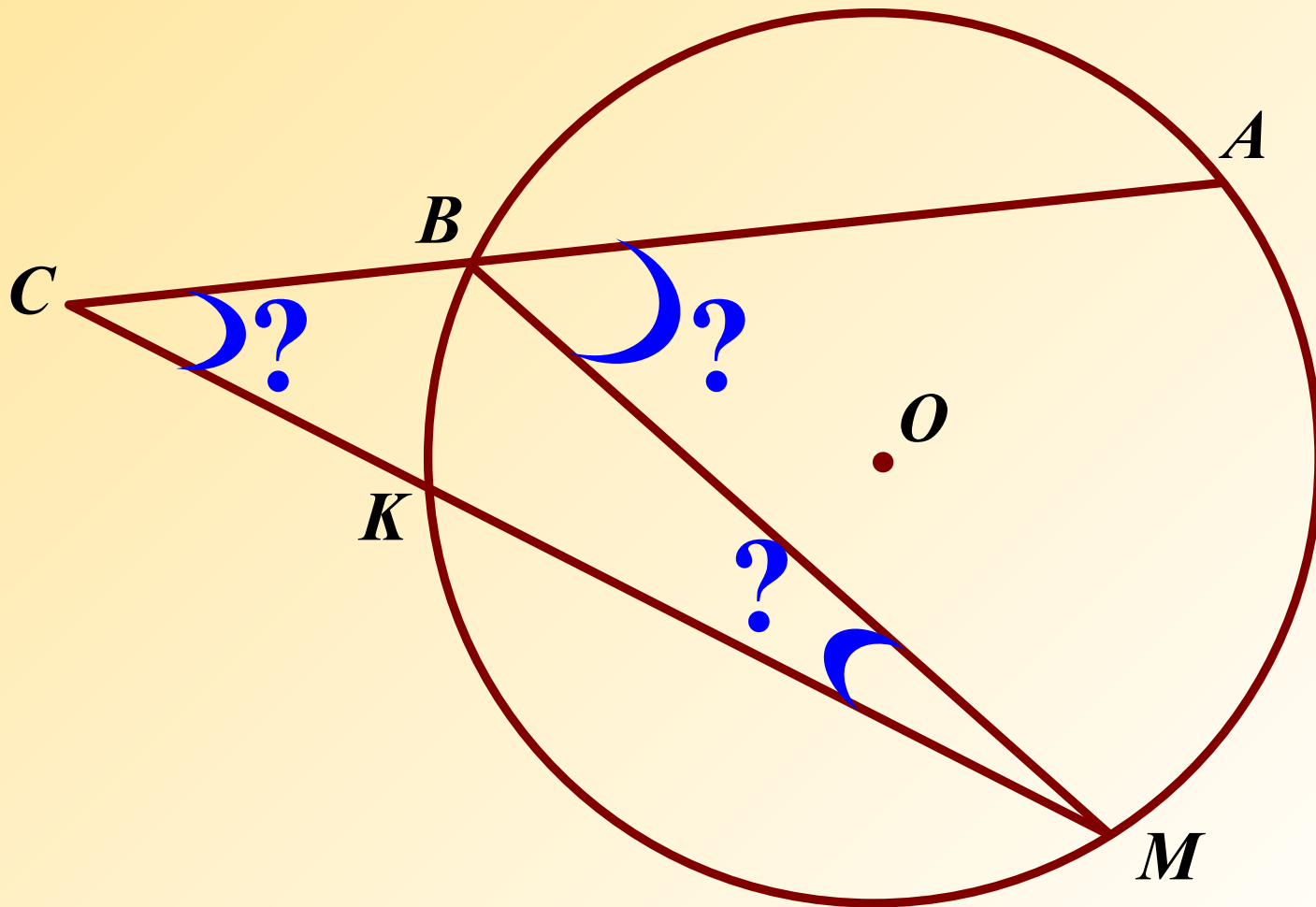
Дано:

$\hat{I} \hat{e} \hat{o} . (\hat{I} , R)$

$$\cup \hat{A} \hat{E} = 40^{\circ}, \cup \hat{A} \hat{I} = 100^{\circ}$$

Найти:

$$\angle \hat{A} \hat{A} \hat{I}, \angle \hat{A} \hat{I} \hat{E}, \angle \hat{A} \hat{C} \hat{I}$$



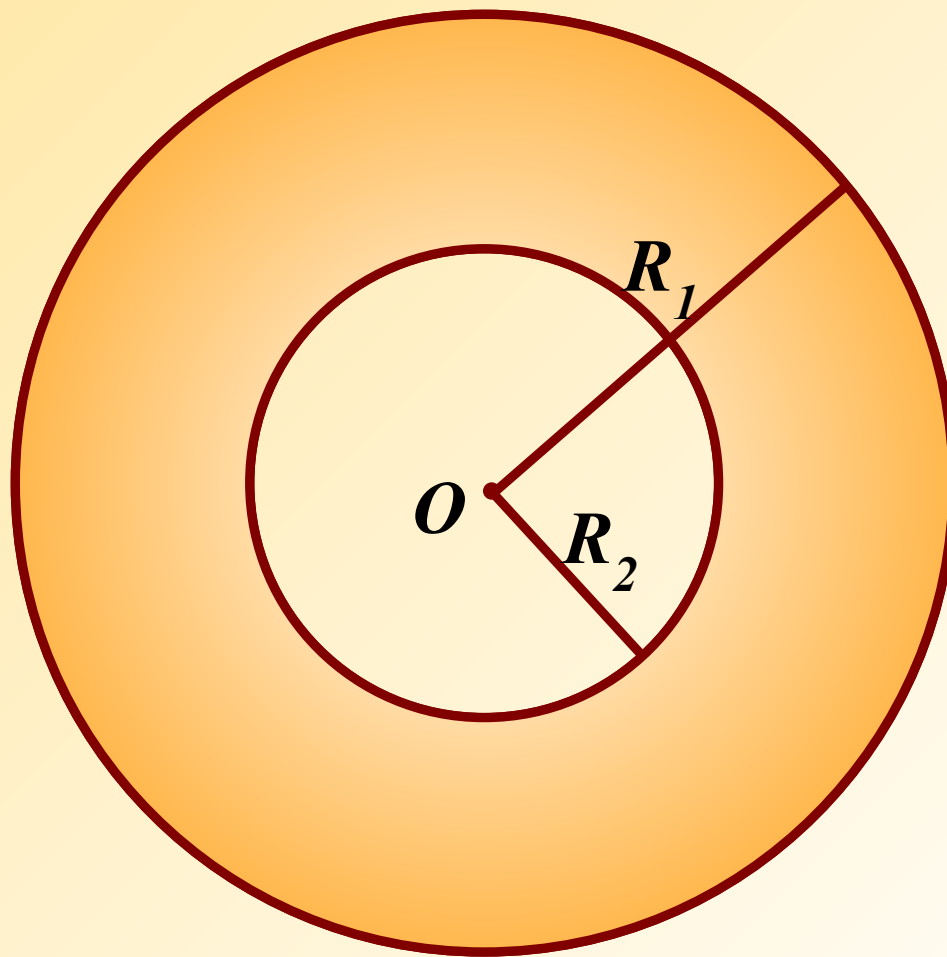
10.

*Дано:*

$$R_1 = 10, R_2 = 5$$

*Найти:*

$S$  — площадь





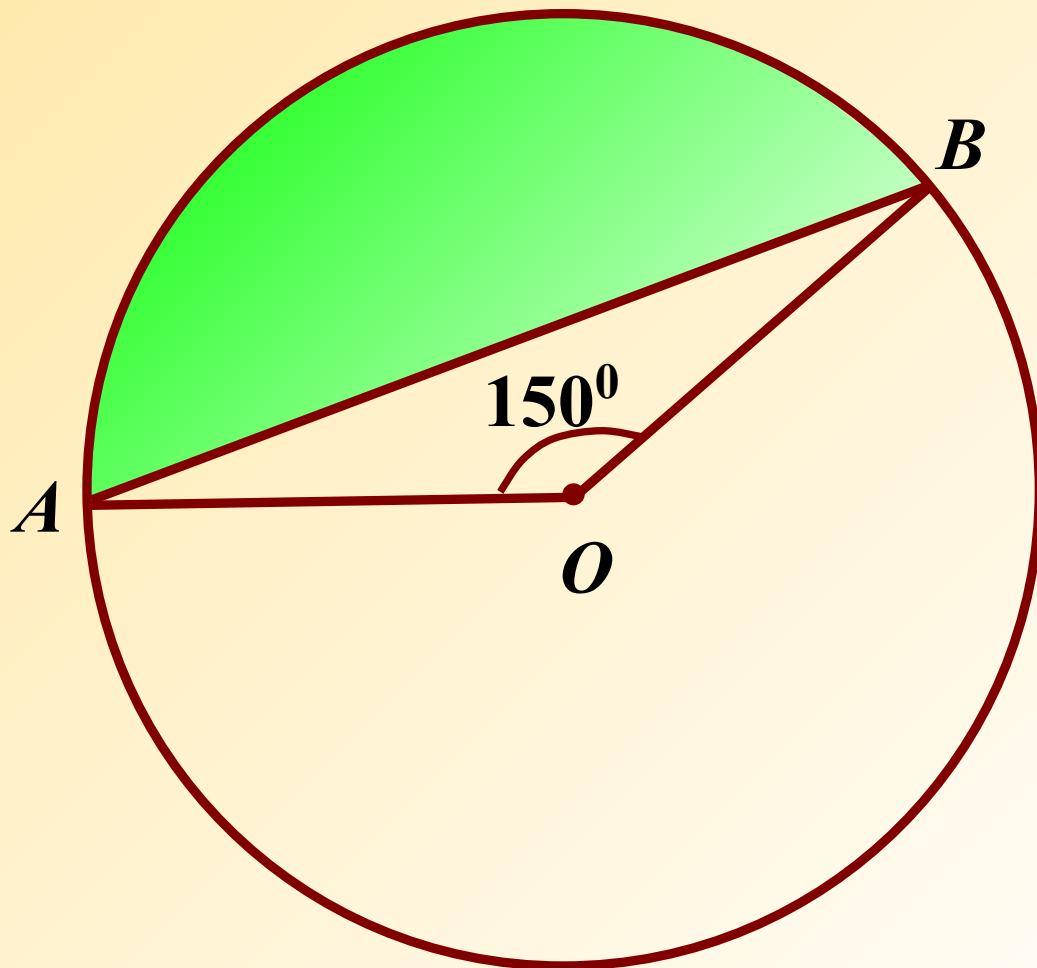
12.

Дано:

$\hat{I} \hat{e} \hat{o} . (\hat{I} , R), R = 6$

Найти:

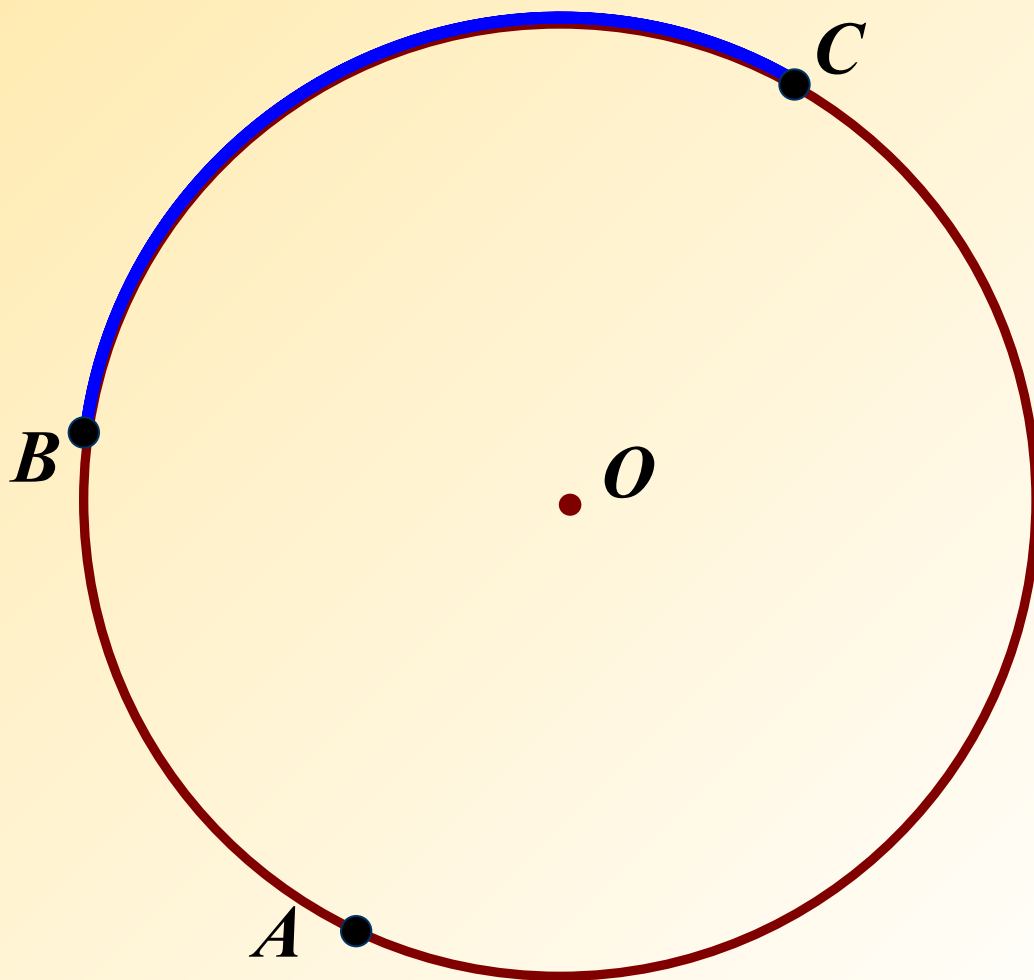
$S \text{ çàèðàøáíí é òèãóðû}$



13.

**Дано:**  $\cup \hat{A}\hat{A} : \cup \hat{A}\tilde{N} : \cup \hat{A}\tilde{N} = 2 : 3 : 4$

**Найти:**  $\cup \hat{A}\tilde{N}$



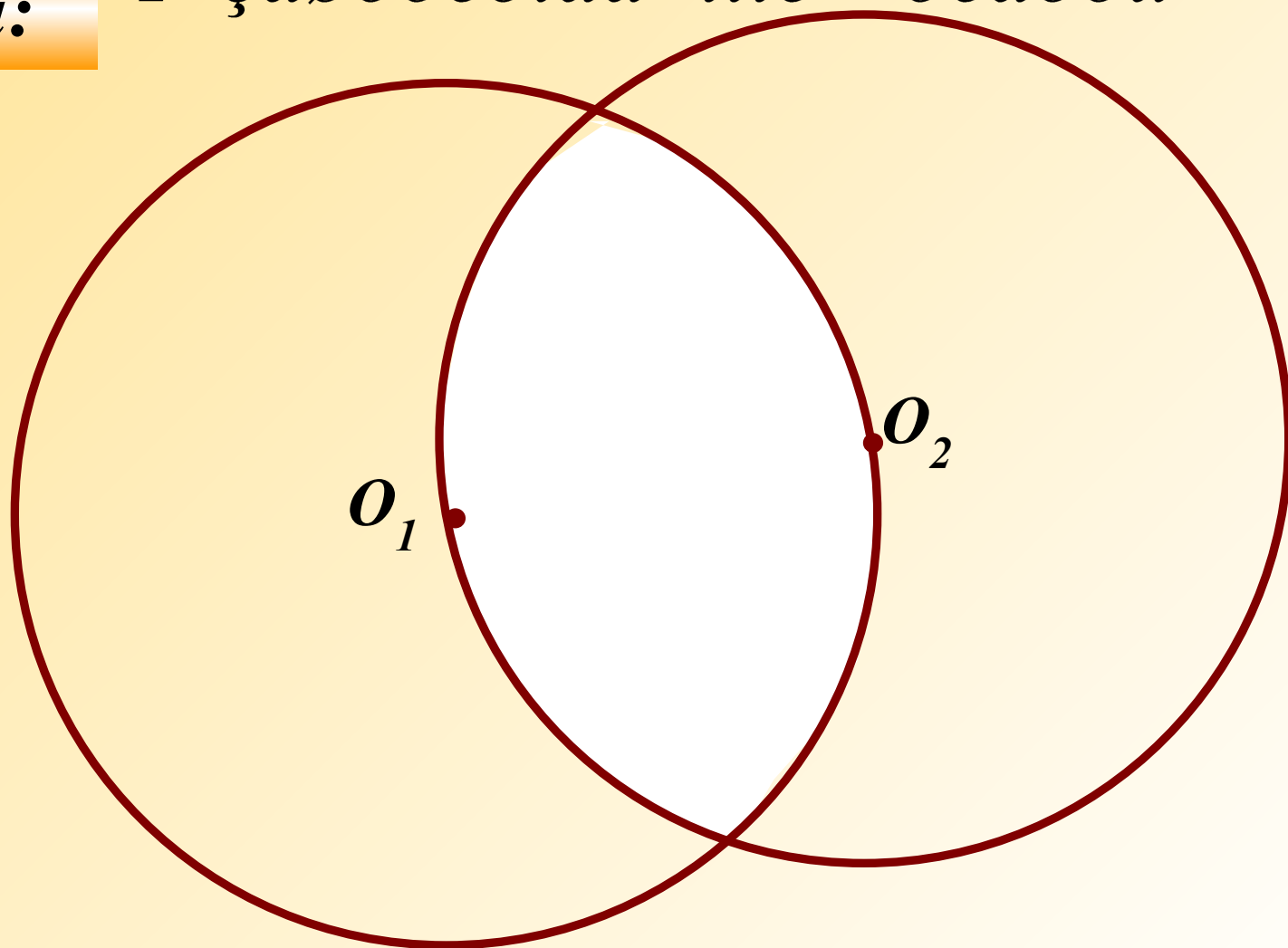
14.

*Дано:*

$$R_1 = R_2 = 5$$

*Найти:*

*$P$  ζàøòðèõîîâà ïîé ôèãóðû*





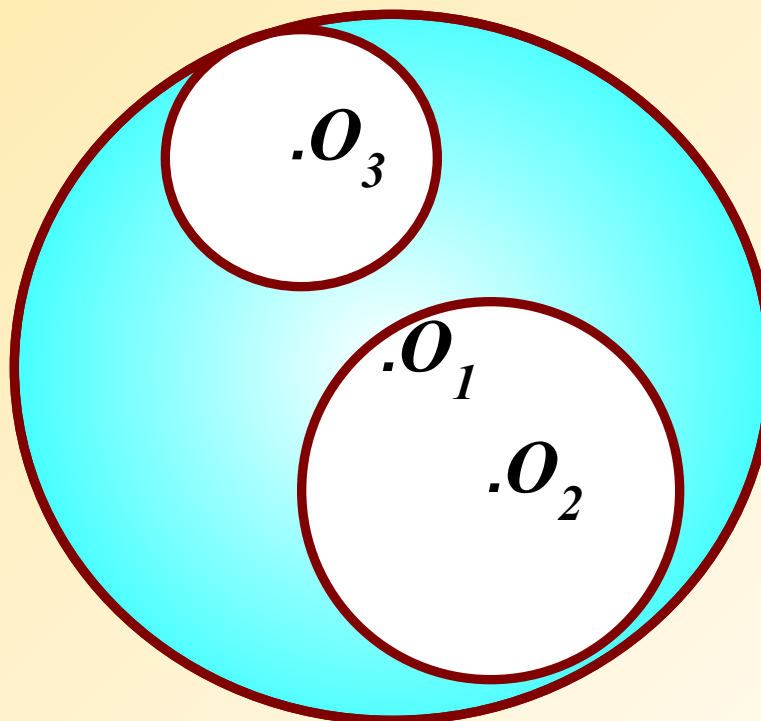
15.

*Дано:*

$$R_1 = 15, R_2 = 6, R_3 = 7$$

*Найти:*

*$S$  ζàêðàøáíí é ôèãóðû*



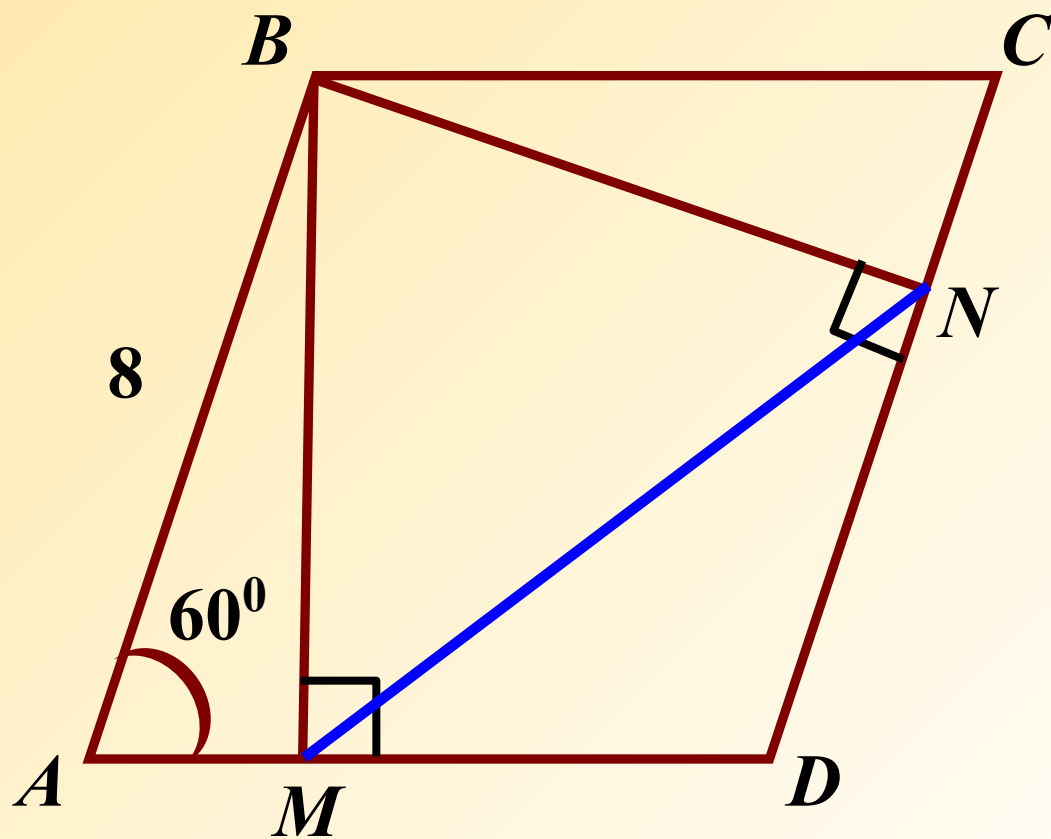
16.

Дано:

$ABCD$  – δία

Найти:

$MN$



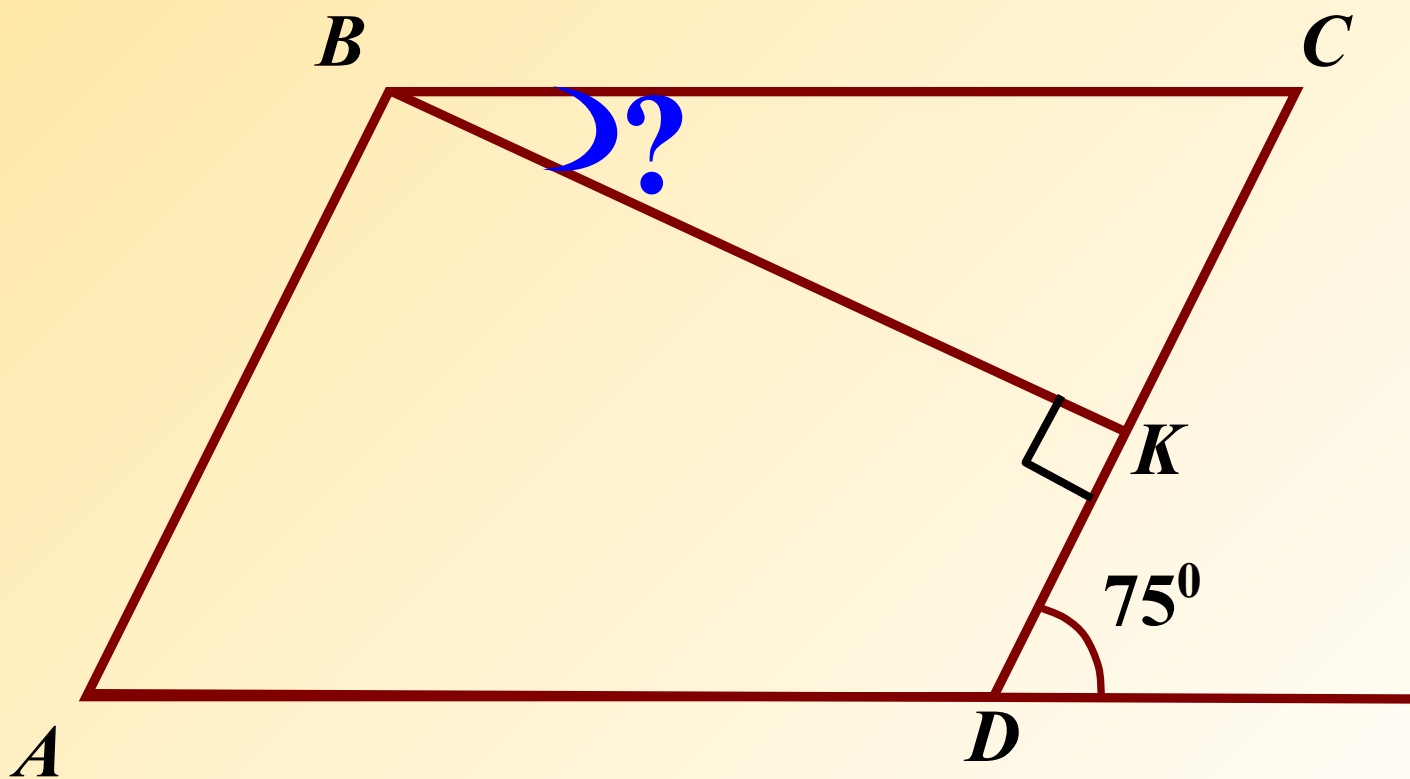
17.

Дано:

$ABCD$  – трапеция

Найти:

$\angle B$



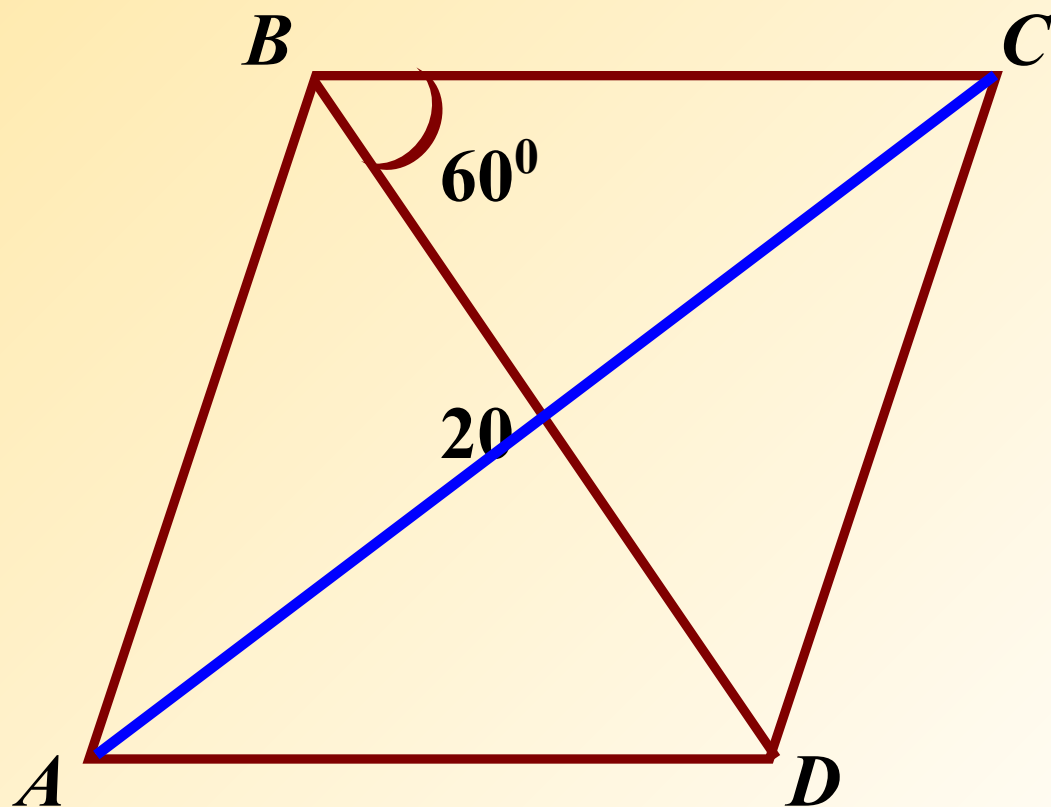
18.

*Дано:*

$ABCD$  – *δία*

*Найти:*

$\angle A\tilde{N}$



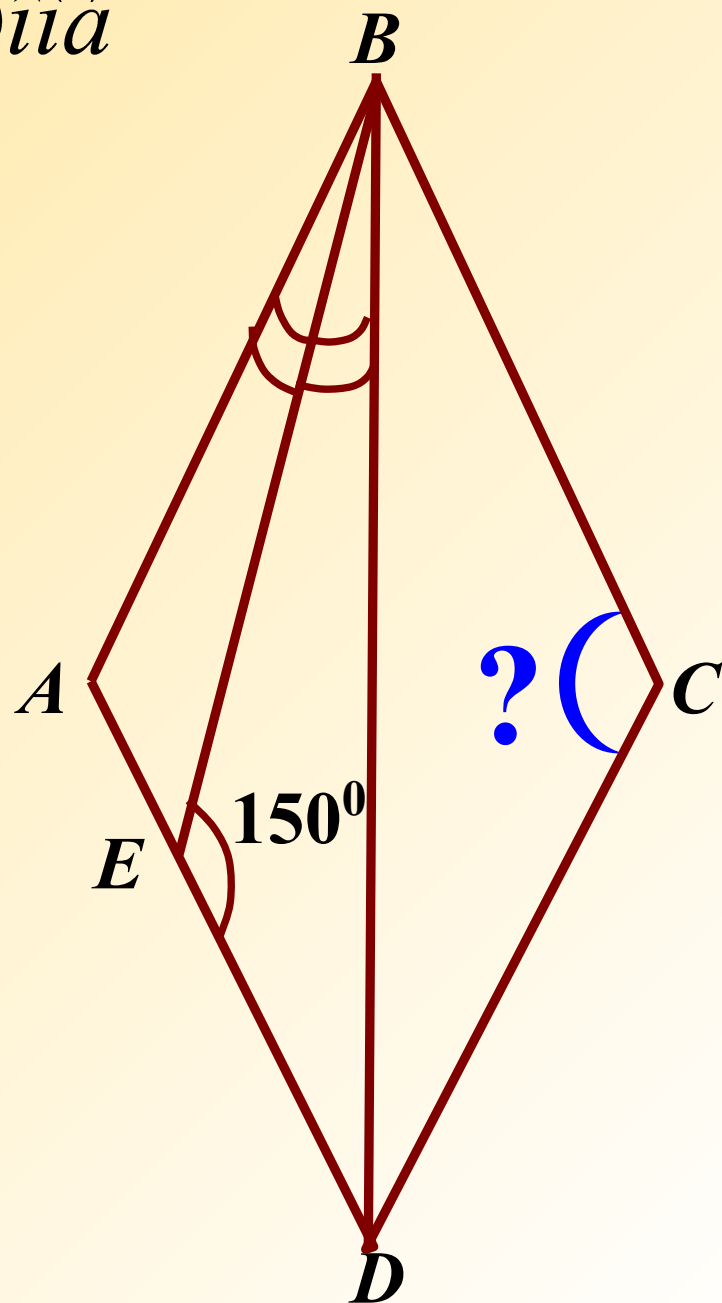
19.

Дано:

$ABCD$  – δία

Найти:

$\angle \hat{A} \tilde{N} D$



20.

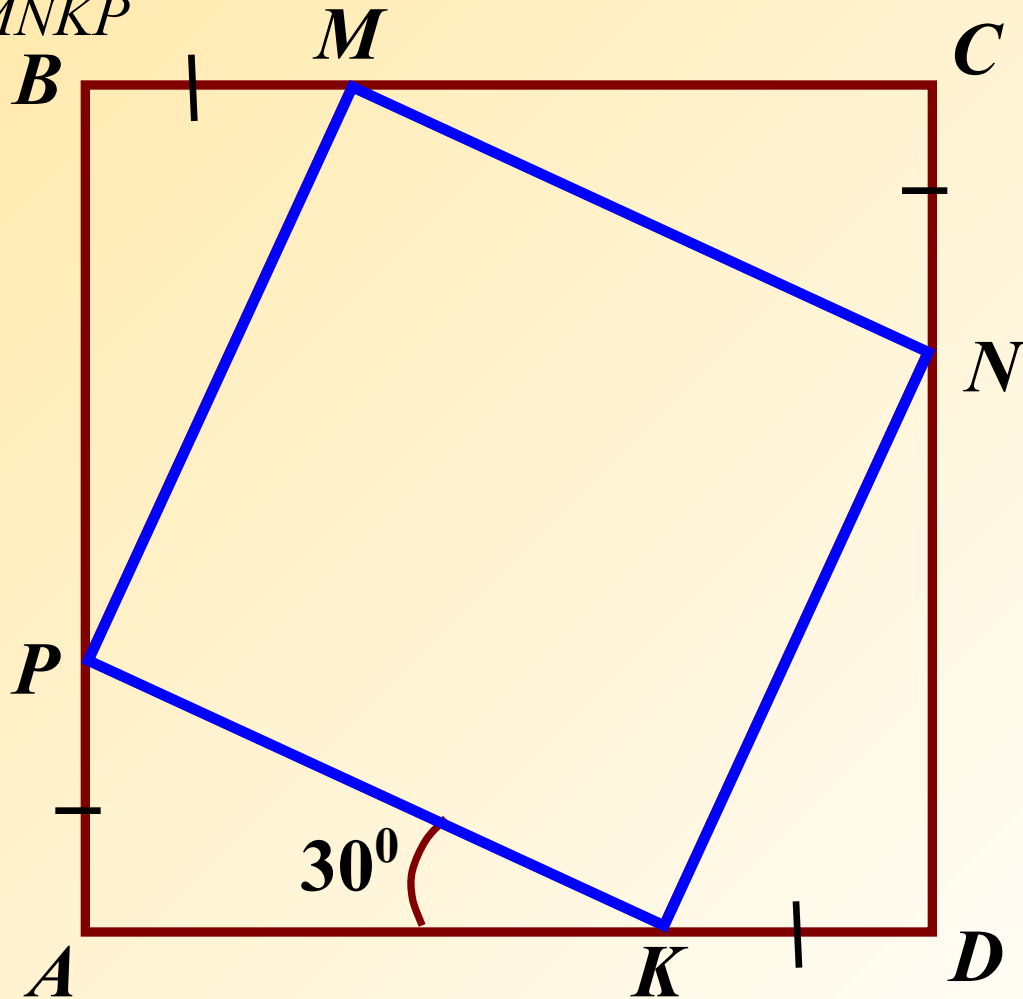
Дано:

$ABCD$  – квадрат

$$P_{ABCD} = 8$$

Найти:

$$P_{MNKP}$$



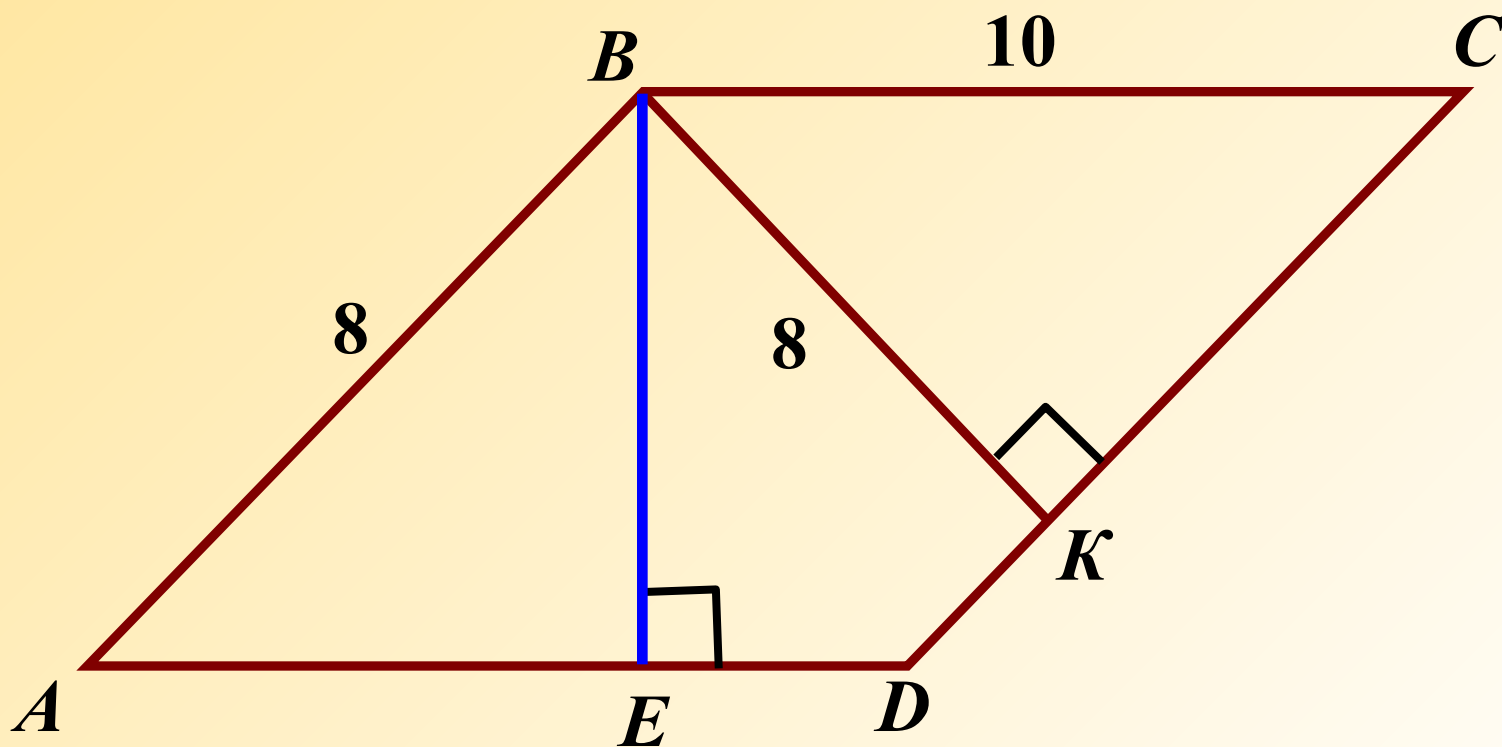
21.

Дано:

$ABCD$  – трапеция

Найти:

$BE$



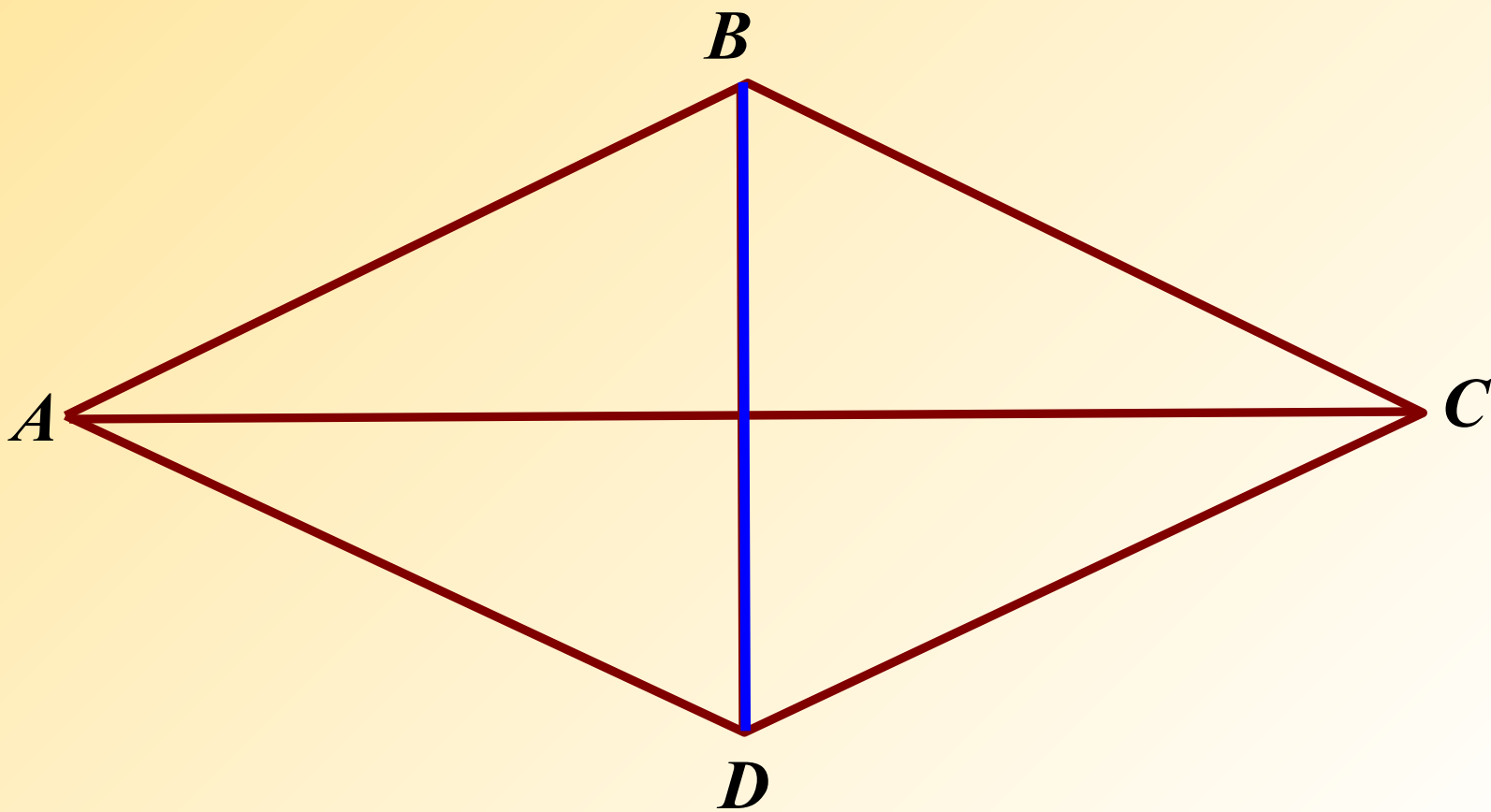
22.

*Дано:*

$$AC = 12, S_{AB\tilde{N}D} = 48$$

*Найти:*

$BD$





23.

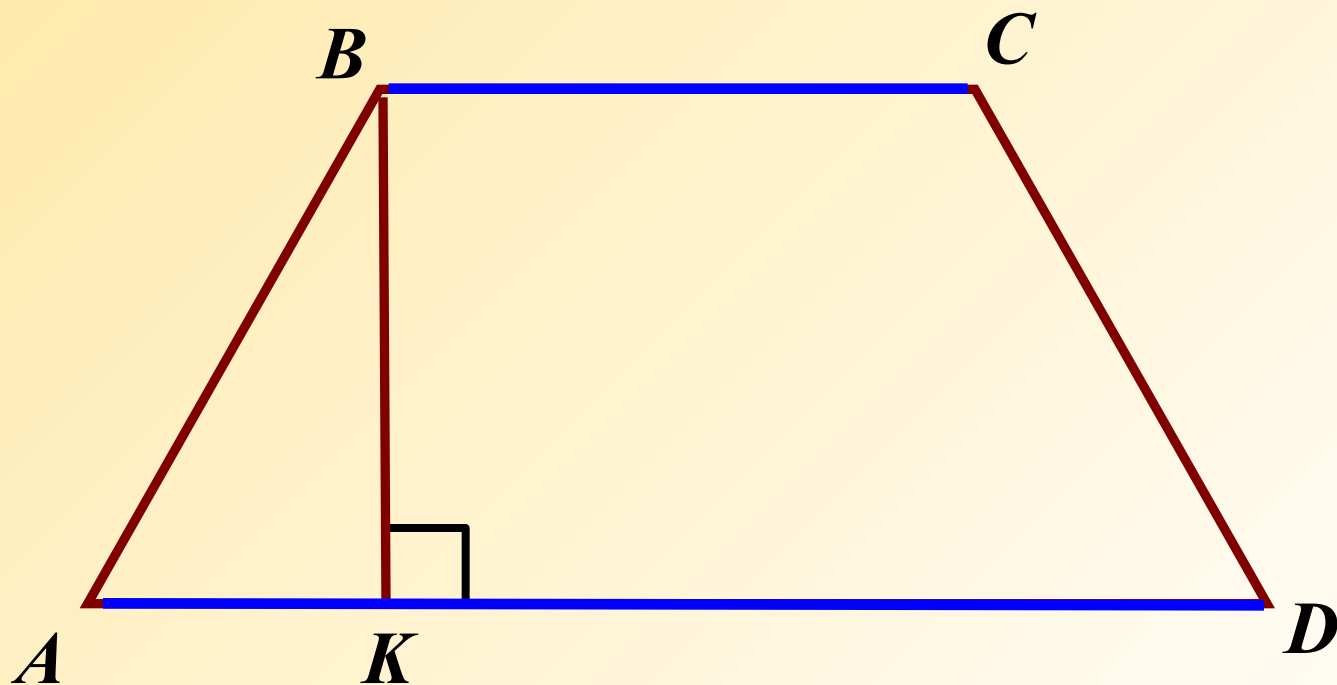
**Дано:**

$ABCD$  – трапеция

$$BC : AD = 2 : 3, BK = 6, S_{ABCD} = 60$$

**Найти:**

$BC, AD$



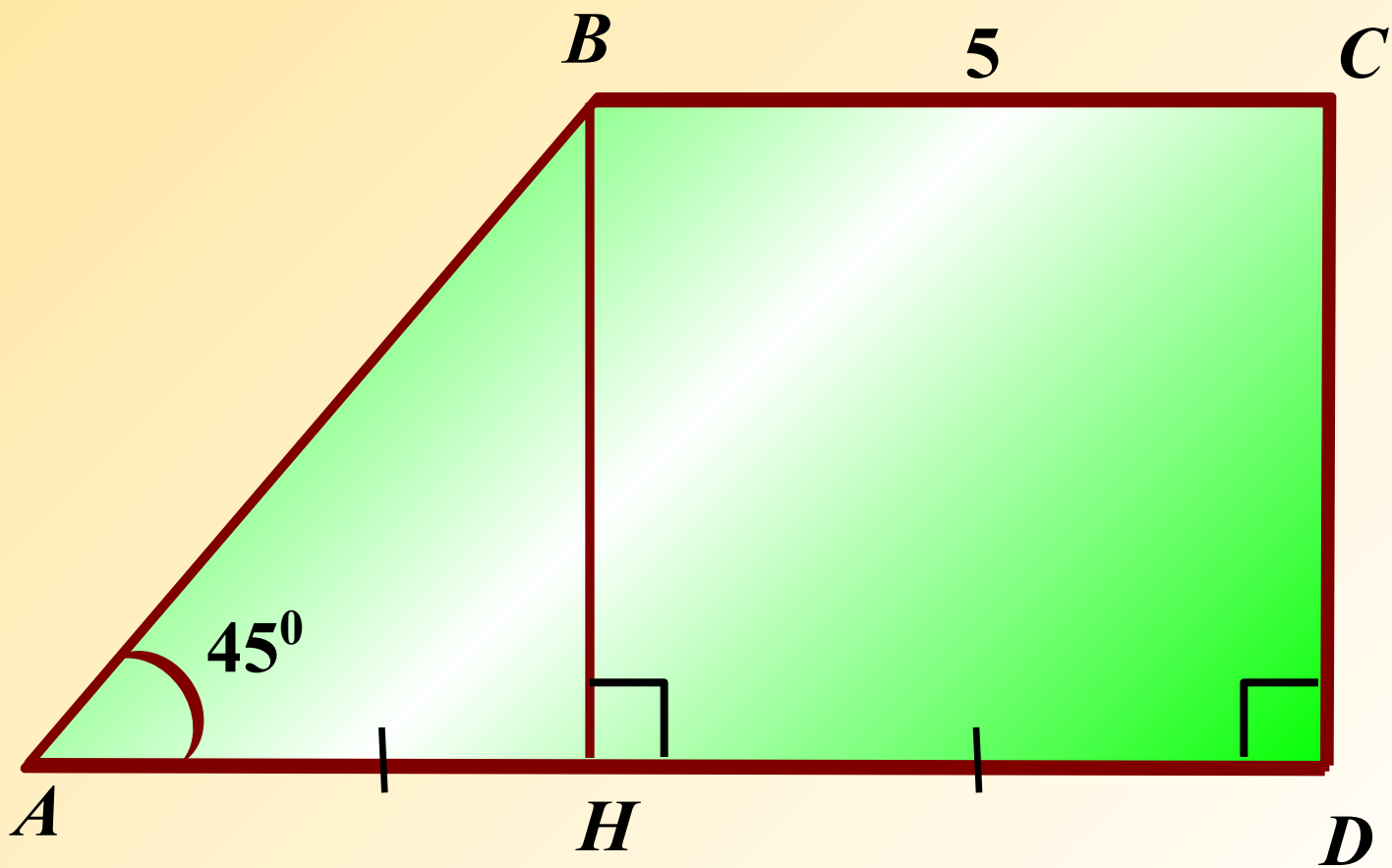
24.

Дано:

$ABCD$  – трапеция

Найти:

$S_{ABCD}$



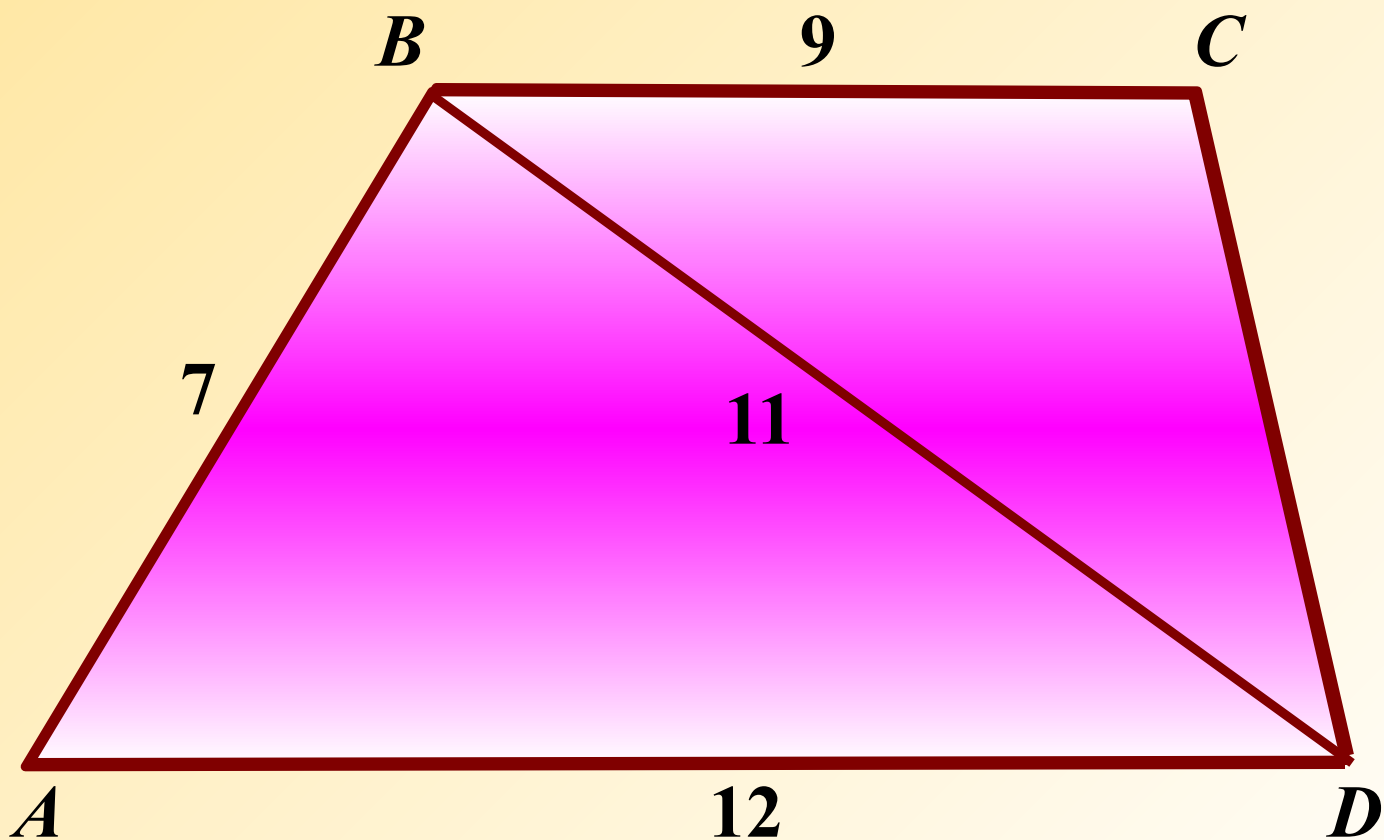
25.

Дано:

$ABCD$  – трапеция

Найти:

$S_{ABCD}$



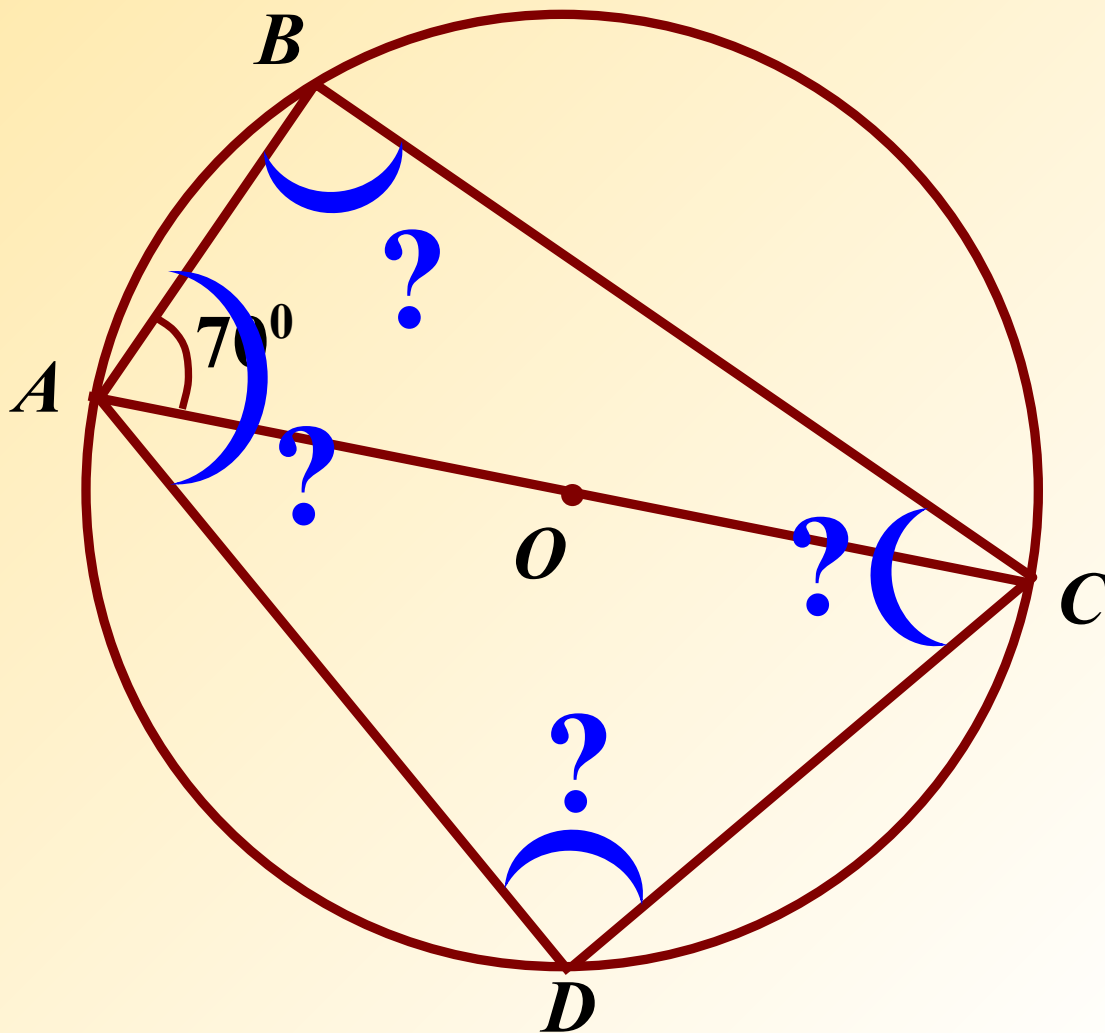
26.

Дано:

$$\angle A = 70^\circ, \angle C = 80^\circ$$

Найти:

Углы  $\angle B$  и  $\angle D$  в  $ABCD$



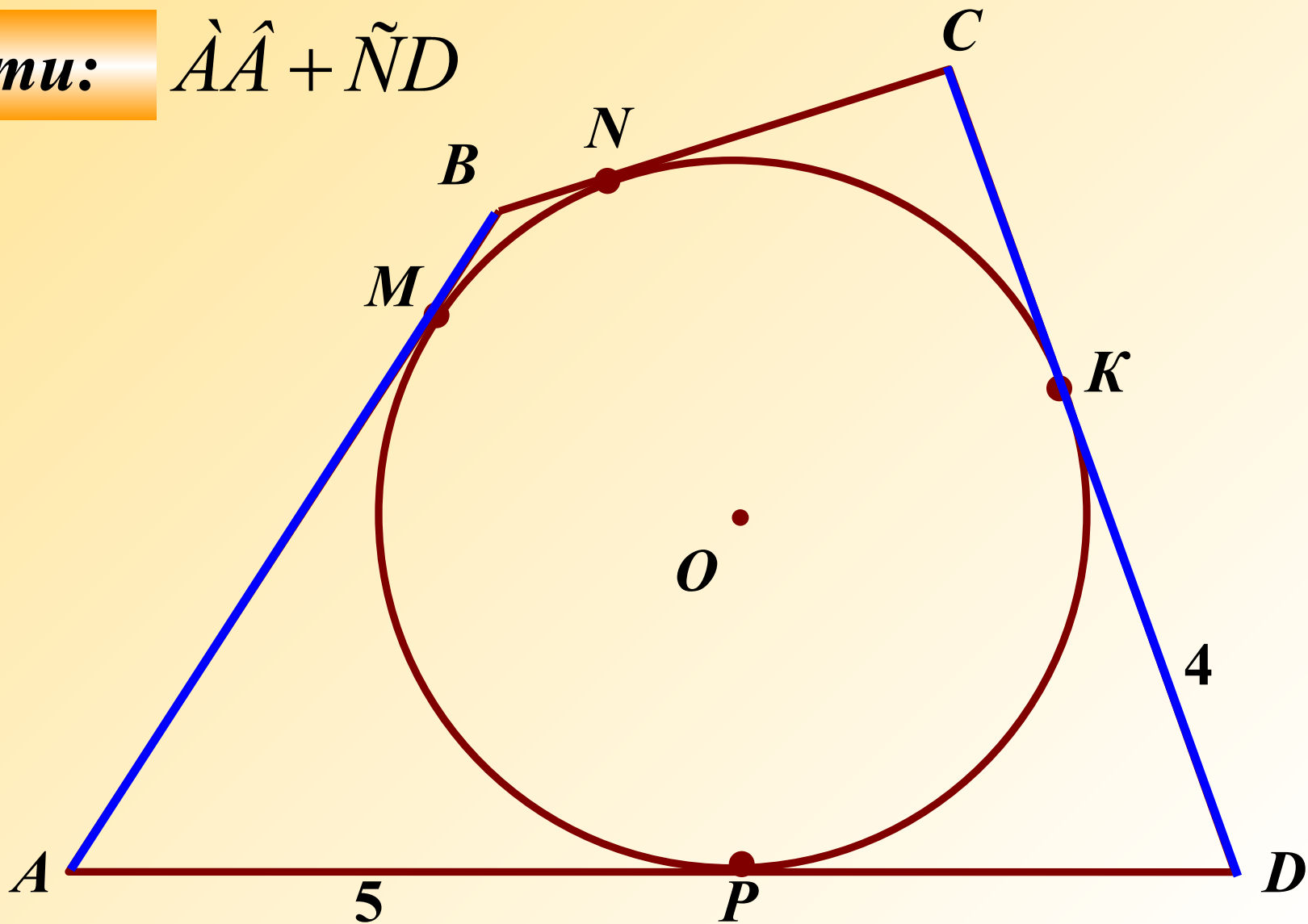
27.

Дано:

$M, N, K, P$  – точки касания  
 $AN = 5$

Найти:

$$AN + ND$$



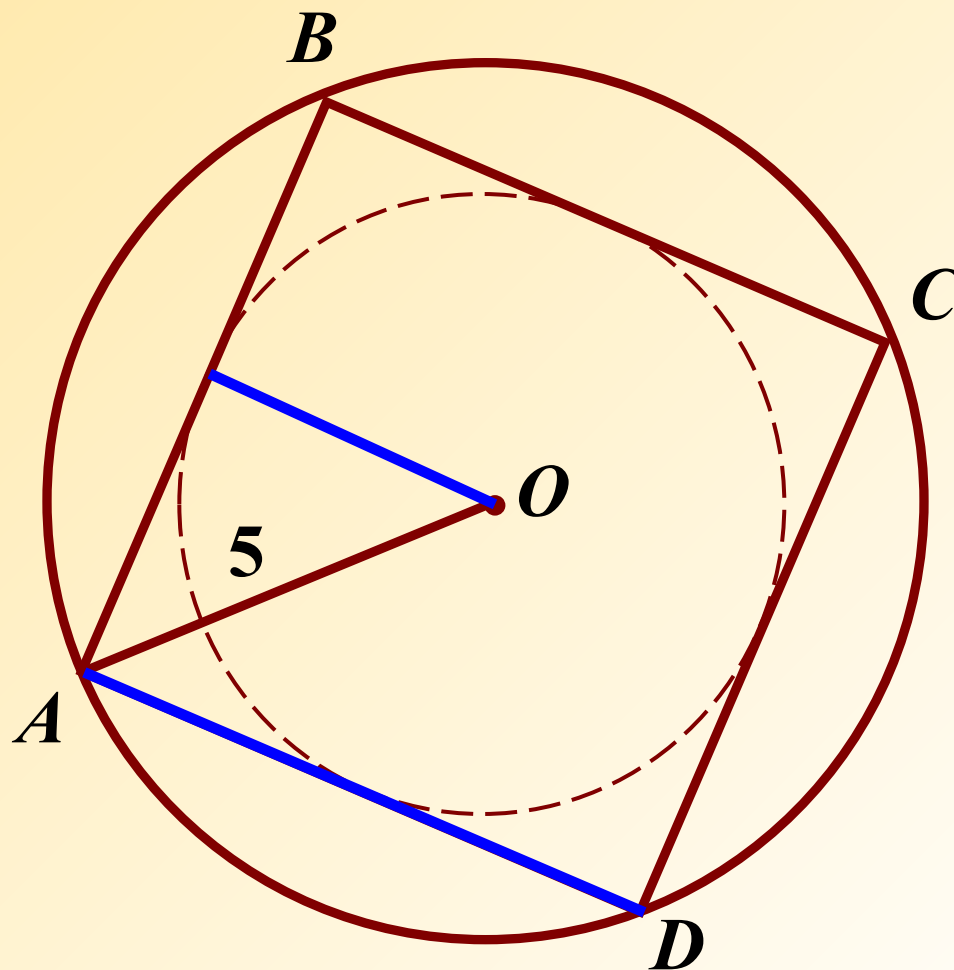
28.

Дано:

$ABCD$  –  $i\grave{o}a\hat{a}e\grave{e}i\acute{i}u\hat{e}$

Найти:

$\hat{A}D$ ,  $r$



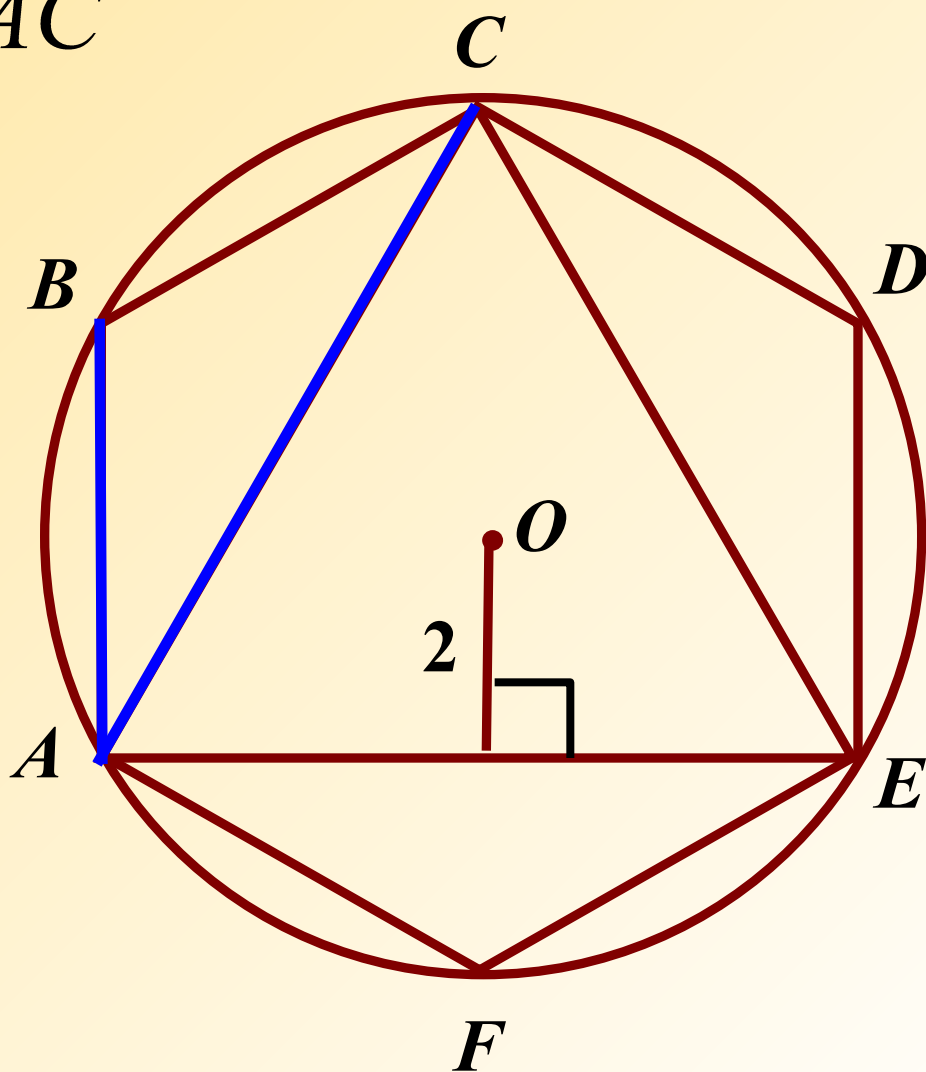
29.

Дано:

$ABCDEF$  –  $io\grave{a}a\grave{e}\ddot{e}\ddot{u}\acute{u}\acute{e}$

Найти:

$\hat{A}B, AC$



30.

Дано:

$ABCDEF$  –  $i\delta\grave{a}\acute{a}\grave{e}\grave{e}\ddot{u}\acute{u}\acute{e}$

Найти:

$R, S_{ABCDEF}$

