

*Решение задач  
на готовых чертежах.*

*Итоговое повторение.*

*Часть 1.*

*Параллельные прямые.*

*Треугольники.*

*Геометрия.*

*9 класс.*

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*МОУ СОШ №256 г.Фокино*



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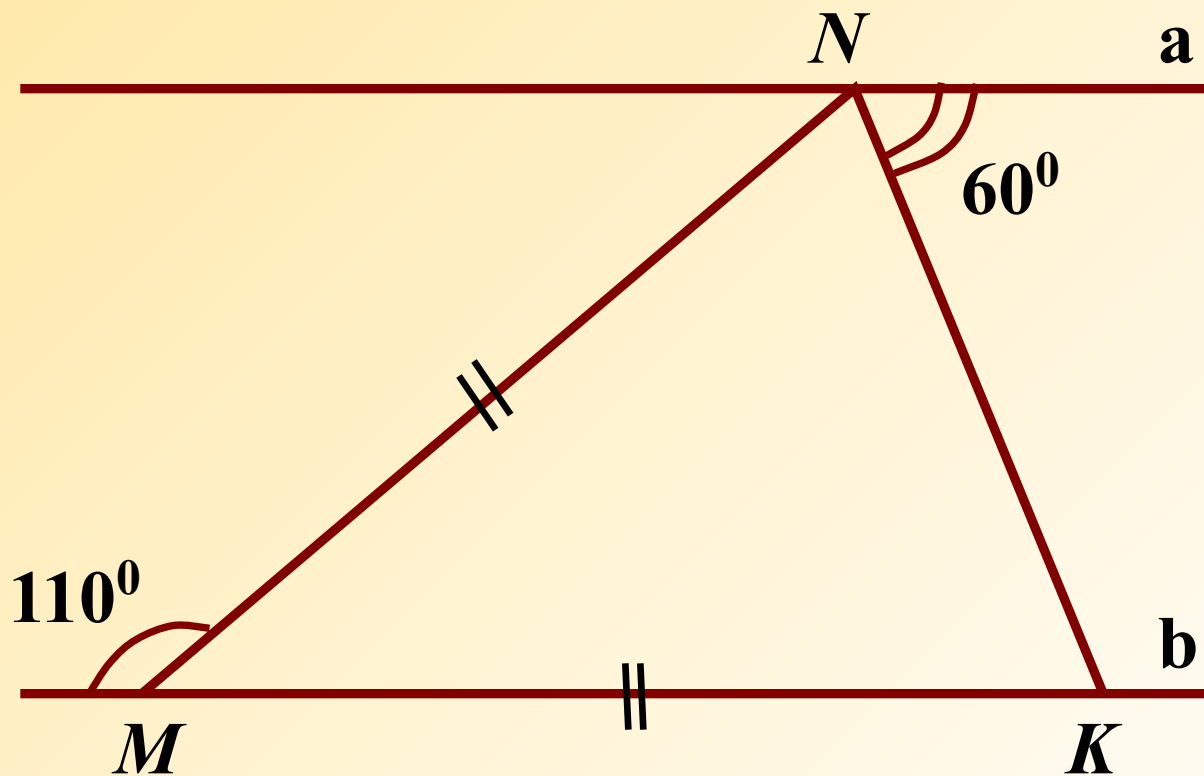
**28**

**29**

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1. Дано:  $i\ddot{o}y\hat{i}u\grave{a}$  à è b

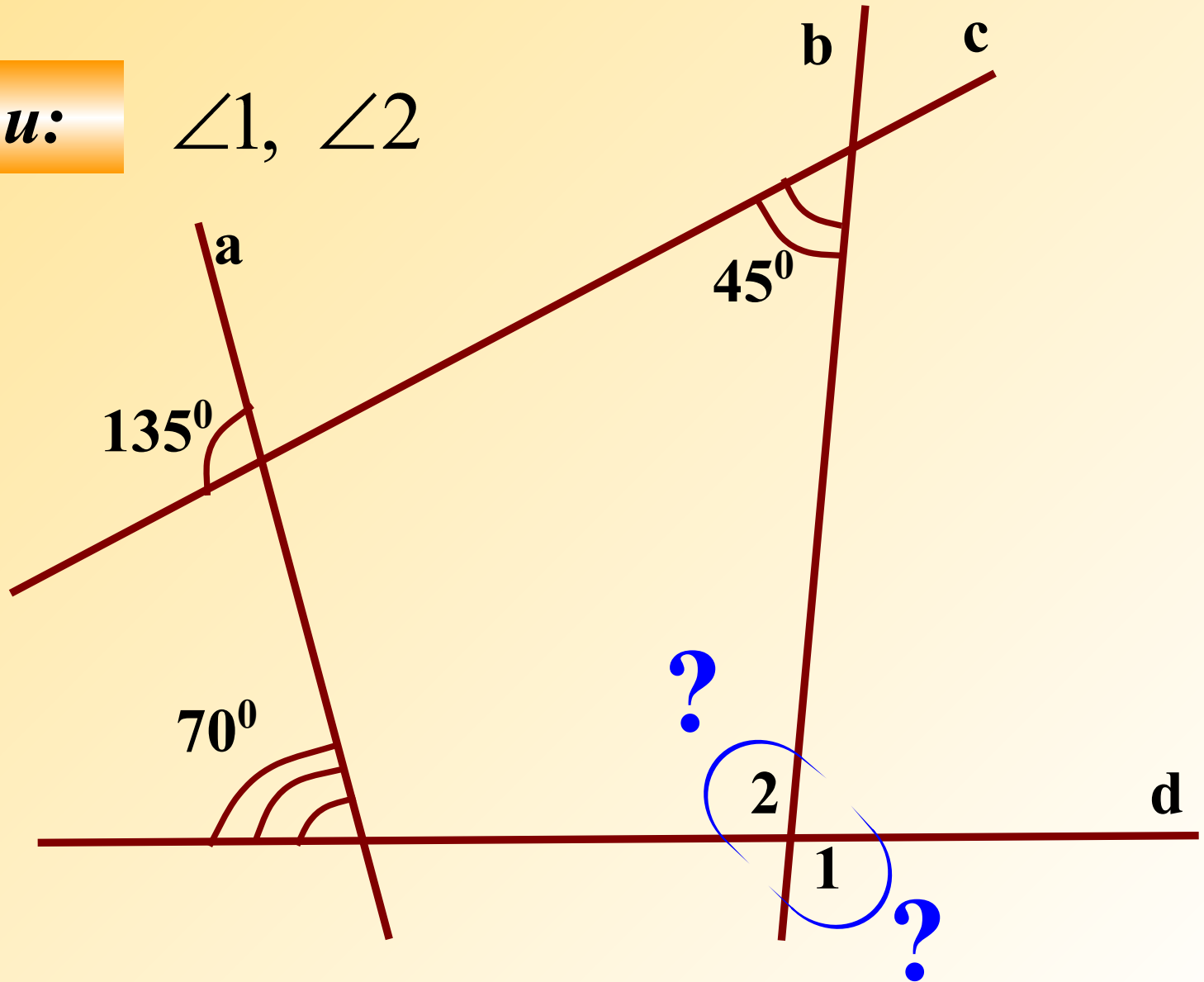
Вопрос:  $\grave{I}\grave{a}\grave{d}\grave{a}\grave{e}\grave{e}\grave{a}\grave{e}\grave{i}\grave{i}$   $\hat{u}$  èè  $i\ddot{o}y\hat{i}u\grave{a}$  à è b?



2.

Дано:  $a, b, c, d$

Найти:  $\angle 1, \angle 2$

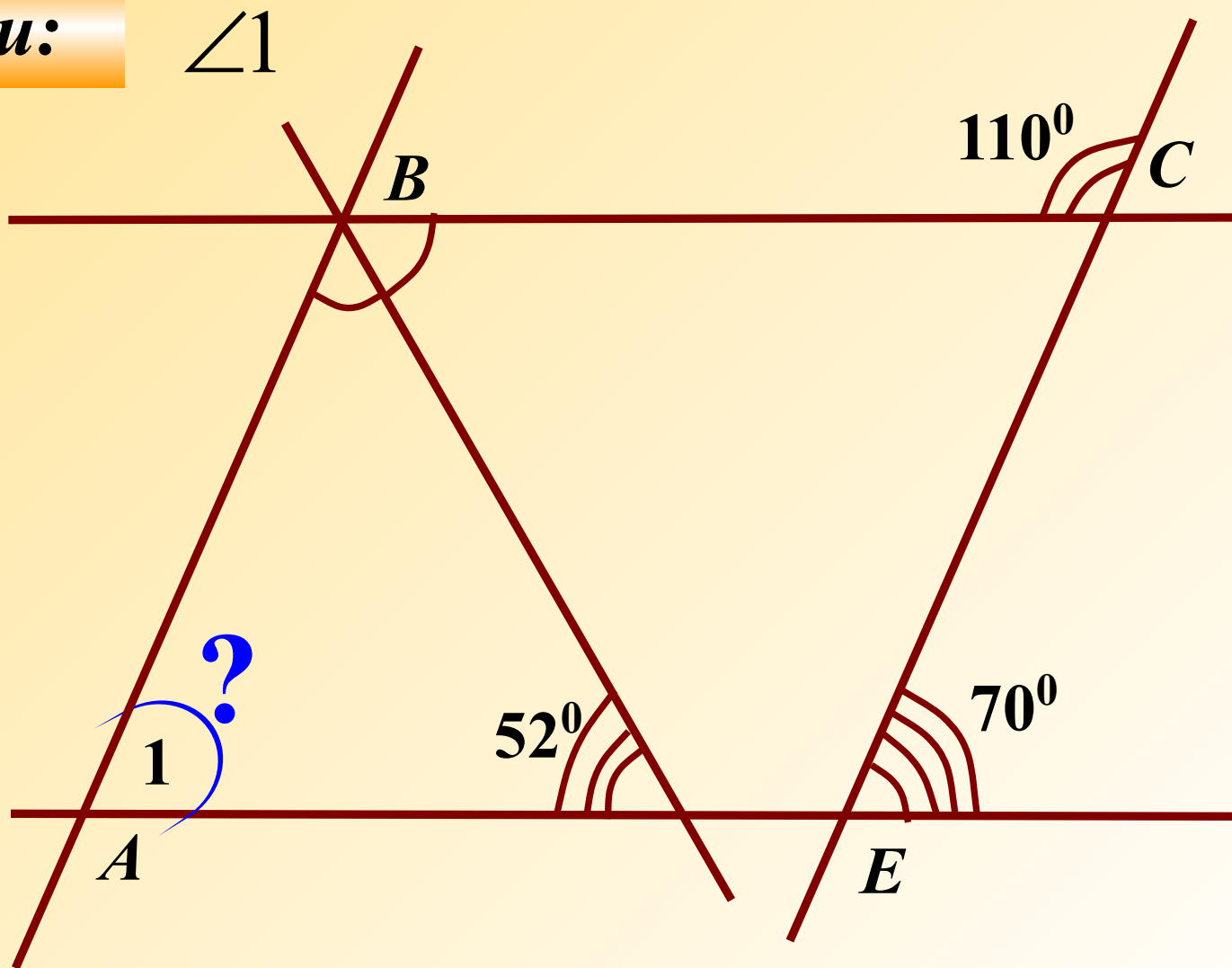


3.

Дано:

$BD$  – медиана к  $\angle AAN$

Найти:

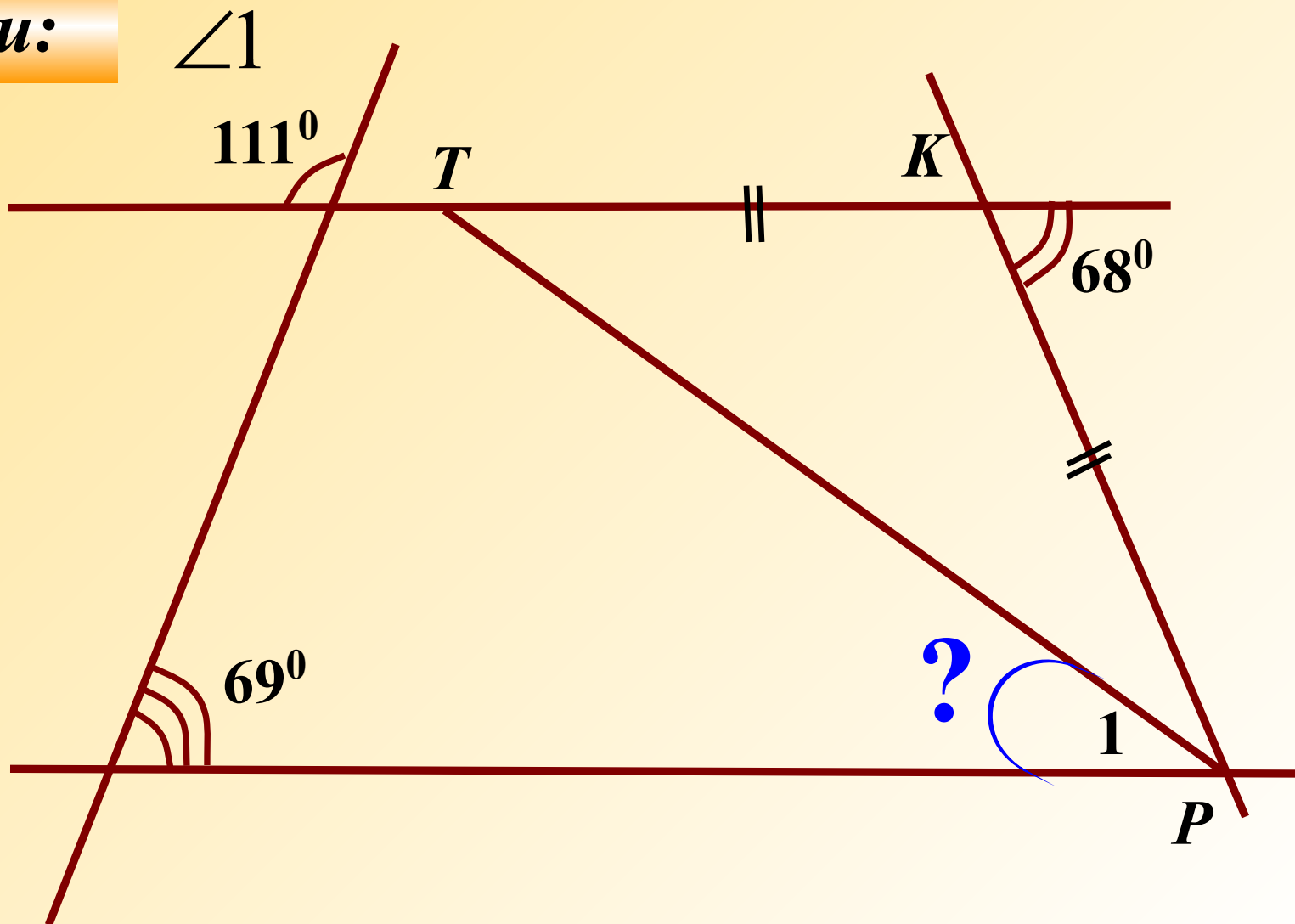


4.

Дано:

$$\hat{O}E = \hat{E}D$$

Найти:



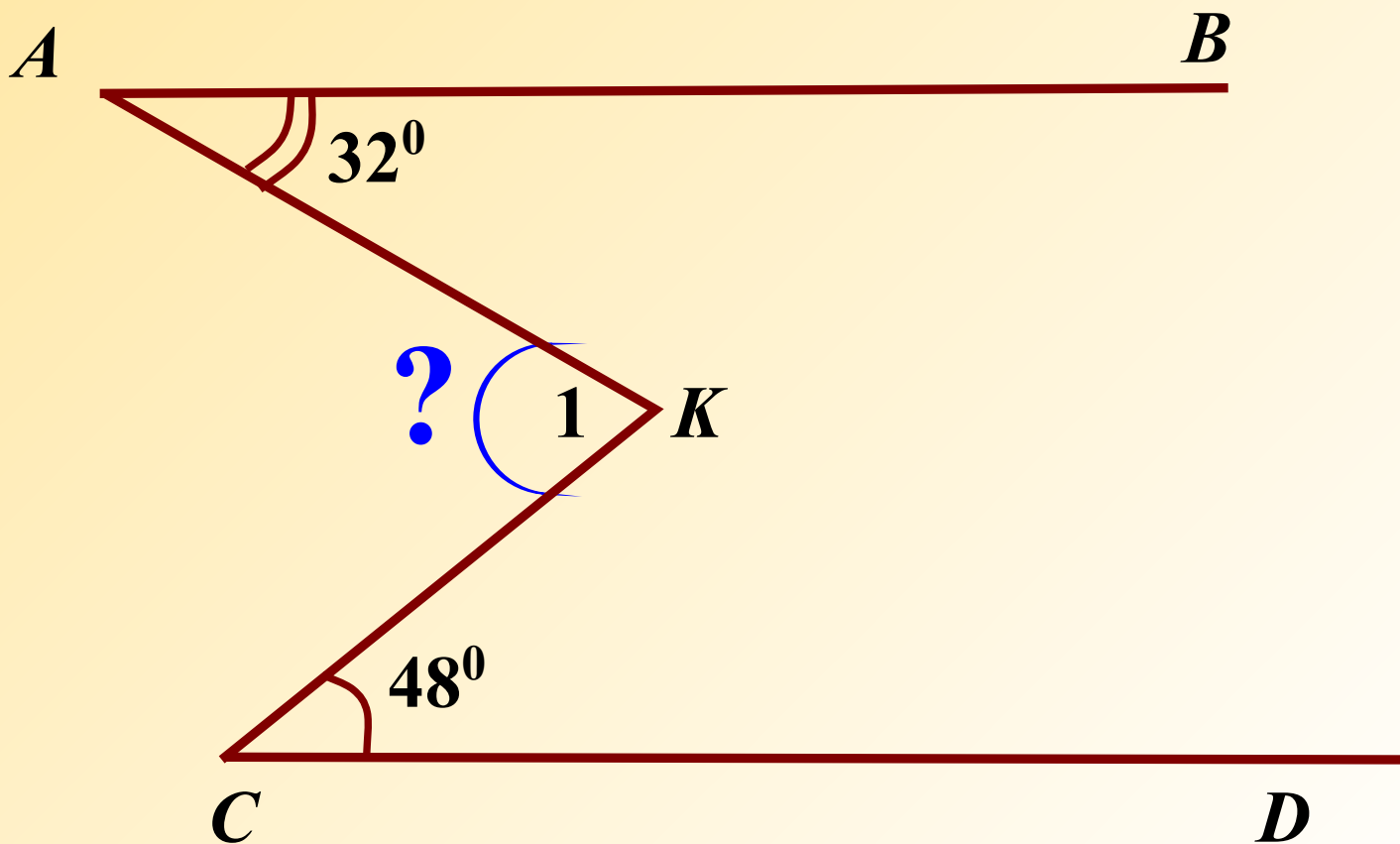
5.

Дано:

$AB \parallel CD$

Найти:

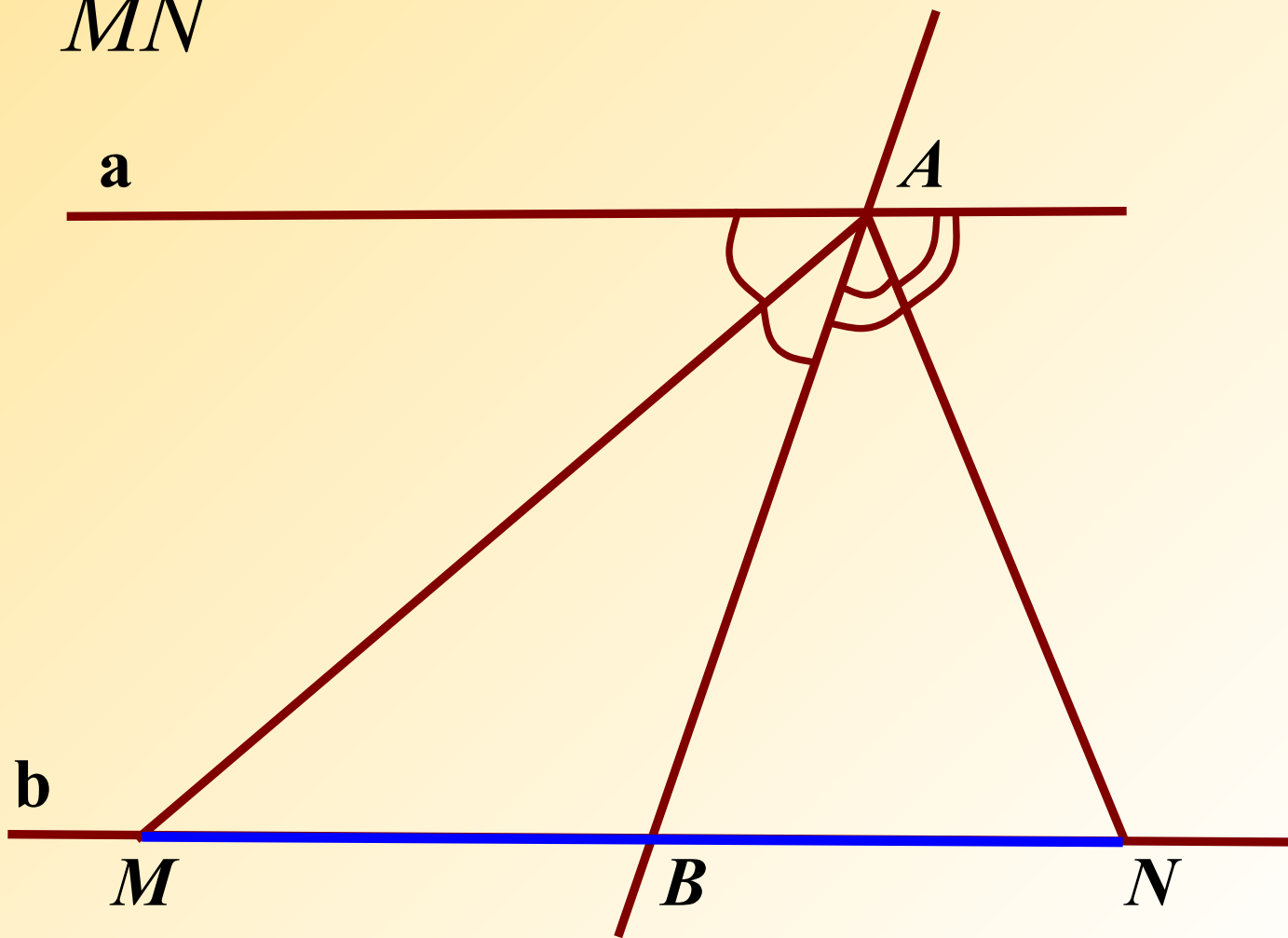
$\angle 1$



6.

**Дано:**  $a \parallel b$ ,  $\hat{A} = 4,2\tilde{n}$

**Найти:**  $MN$

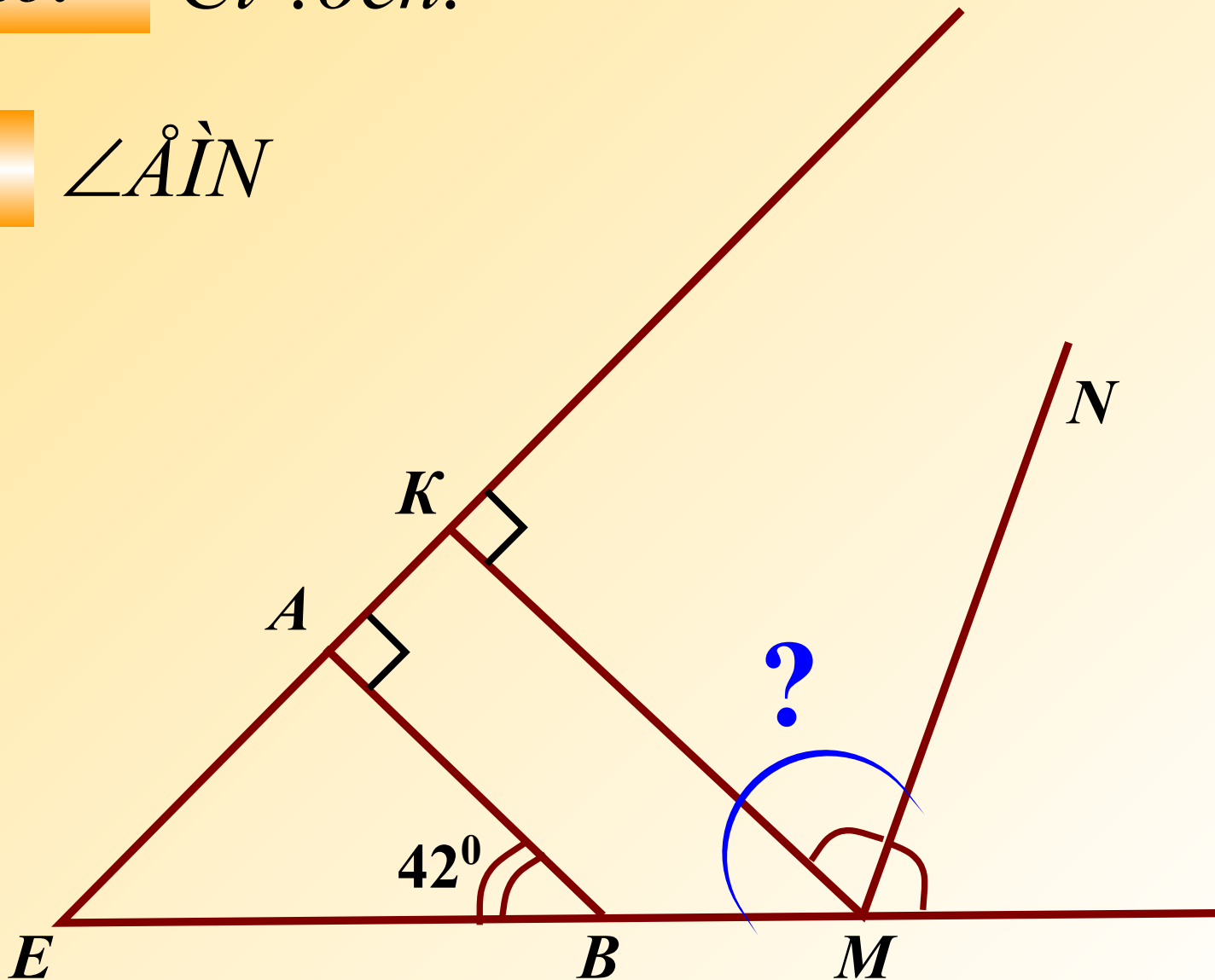




7.

Дано: Сі .дèñ.

Найти:  $\angle AIN$



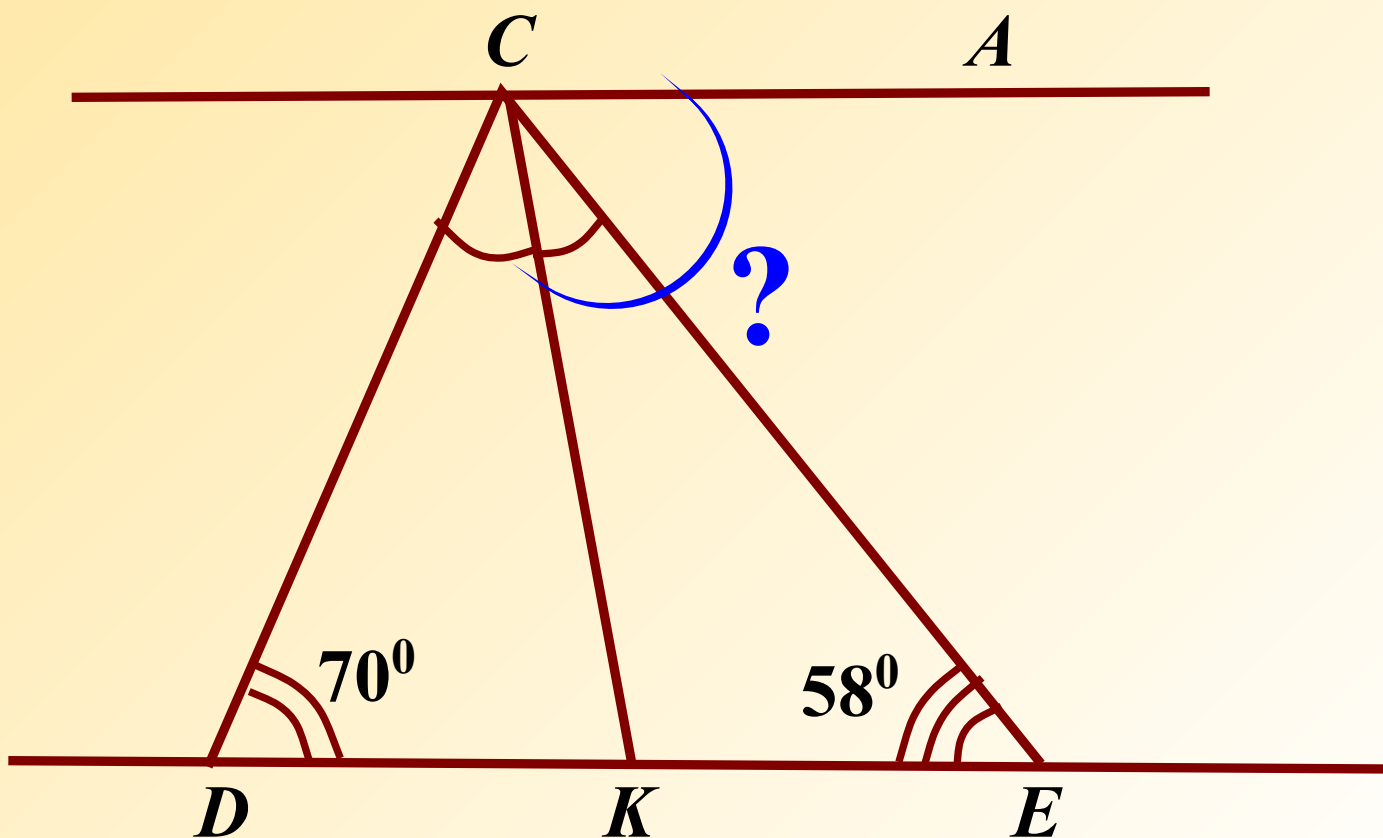
8.

*Дано:*

$\hat{A}\hat{N}\hat{E} \parallel DE$

*Найти:*

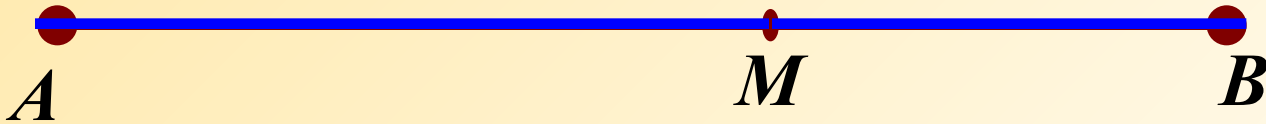
$\angle \hat{A}\hat{N}\hat{E}$



9.

**Дано:**  $AB = 7\sqrt{2}$  ,  $AI^2 - IB^2 = 7$

**Найти:**  $AI$  ,  $IB$



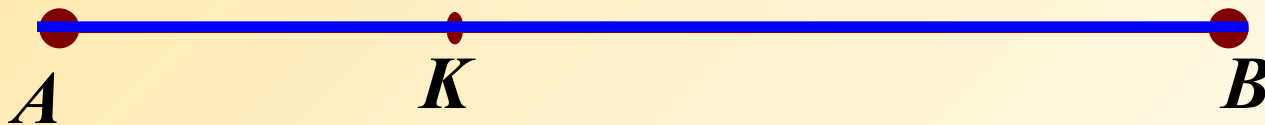
10.

*Дано:*

$$\frac{1}{3} A\hat{E} = \frac{1}{4} \hat{A}E, \quad A\hat{A} = 14\tilde{n}i$$

*Найти:*

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



11.

*Дано:*  $AB = 15,6$ ,  $AD = 7,5$ ,  $CB = 10,2$

*Найти:*  $\tilde{ND}$



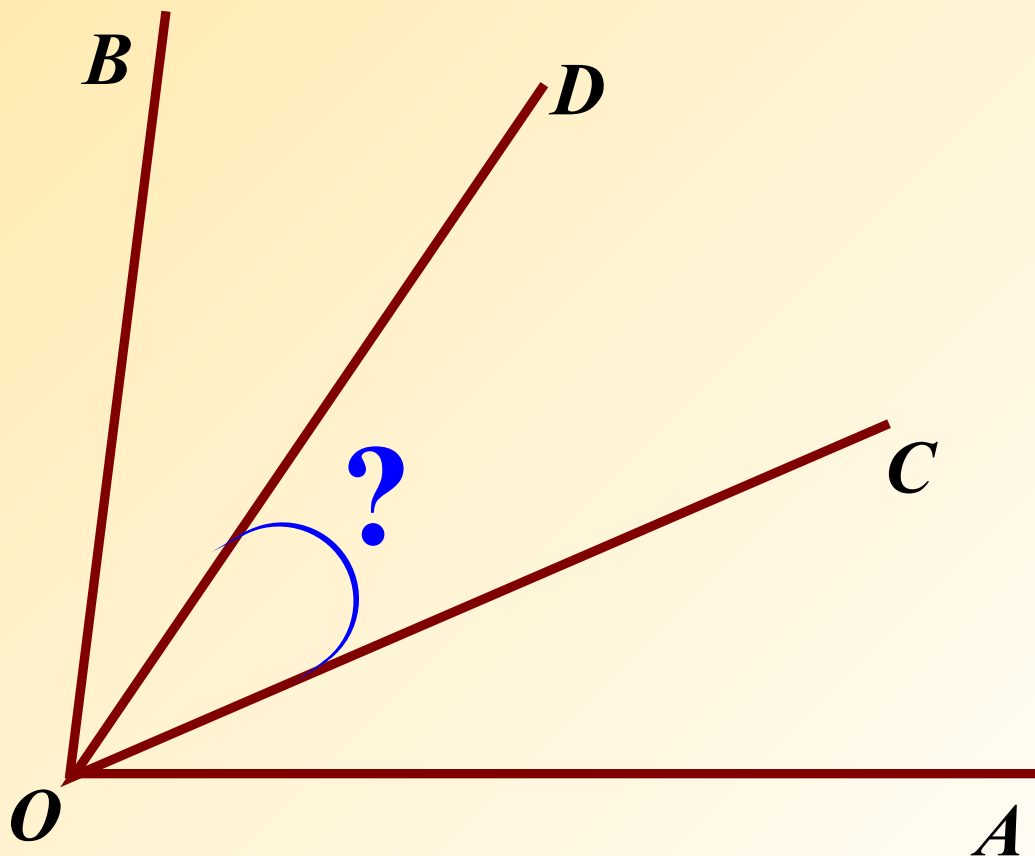
12.

*Дано:*

$$\angle \hat{A} \hat{I} \hat{N} = 63^{\circ}, \angle \hat{A} \hat{I} \hat{D} = 57^{\circ},$$
$$\angle \hat{A} \hat{I} \hat{B} = 85^{\circ}$$

*Найти:*

$$\angle \hat{D} \hat{I} \hat{C}$$

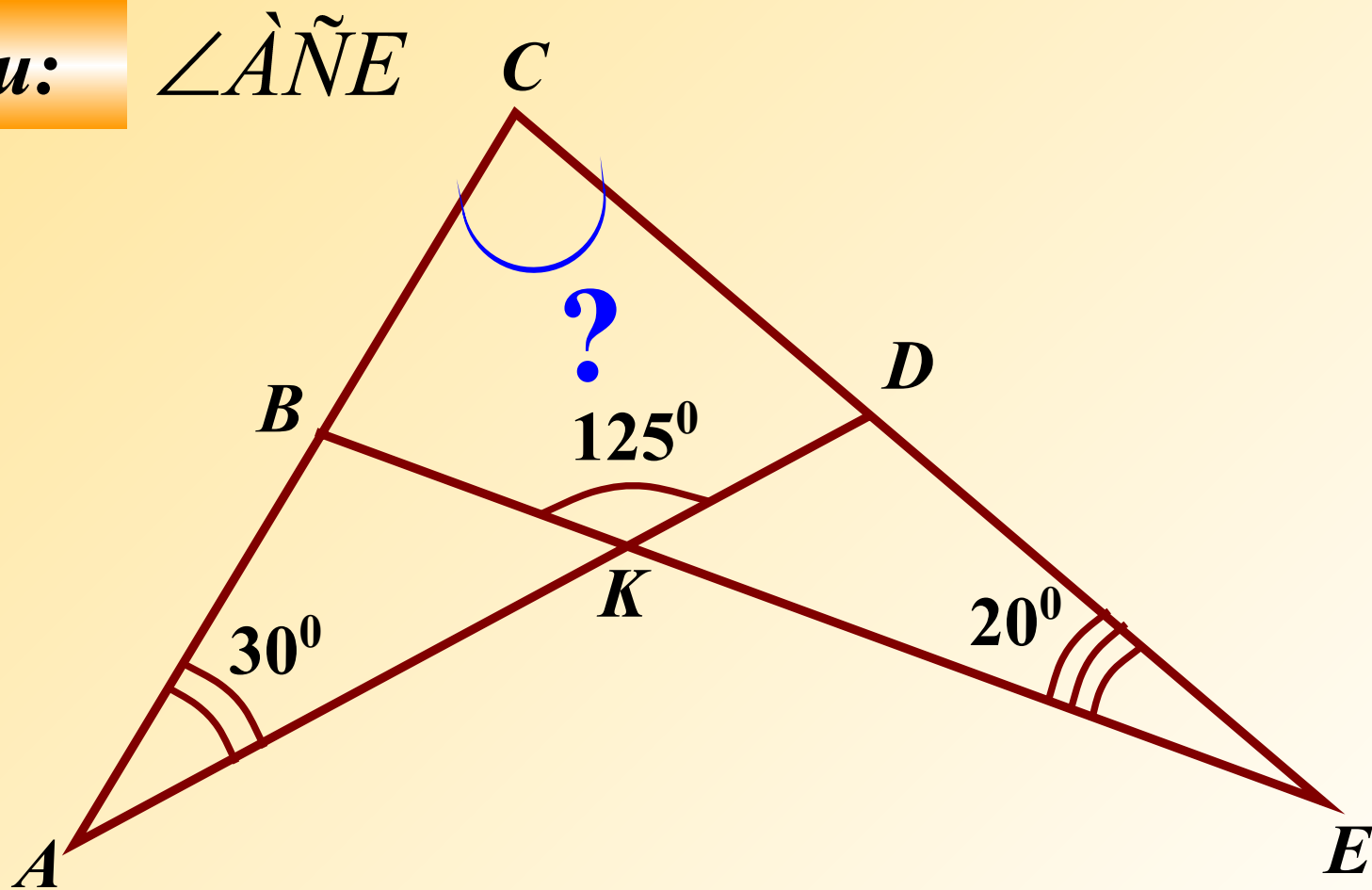


13.

Дано:  $C\tilde{i}$  . $\delta\grave{e}\tilde{n}$ .

Найти:

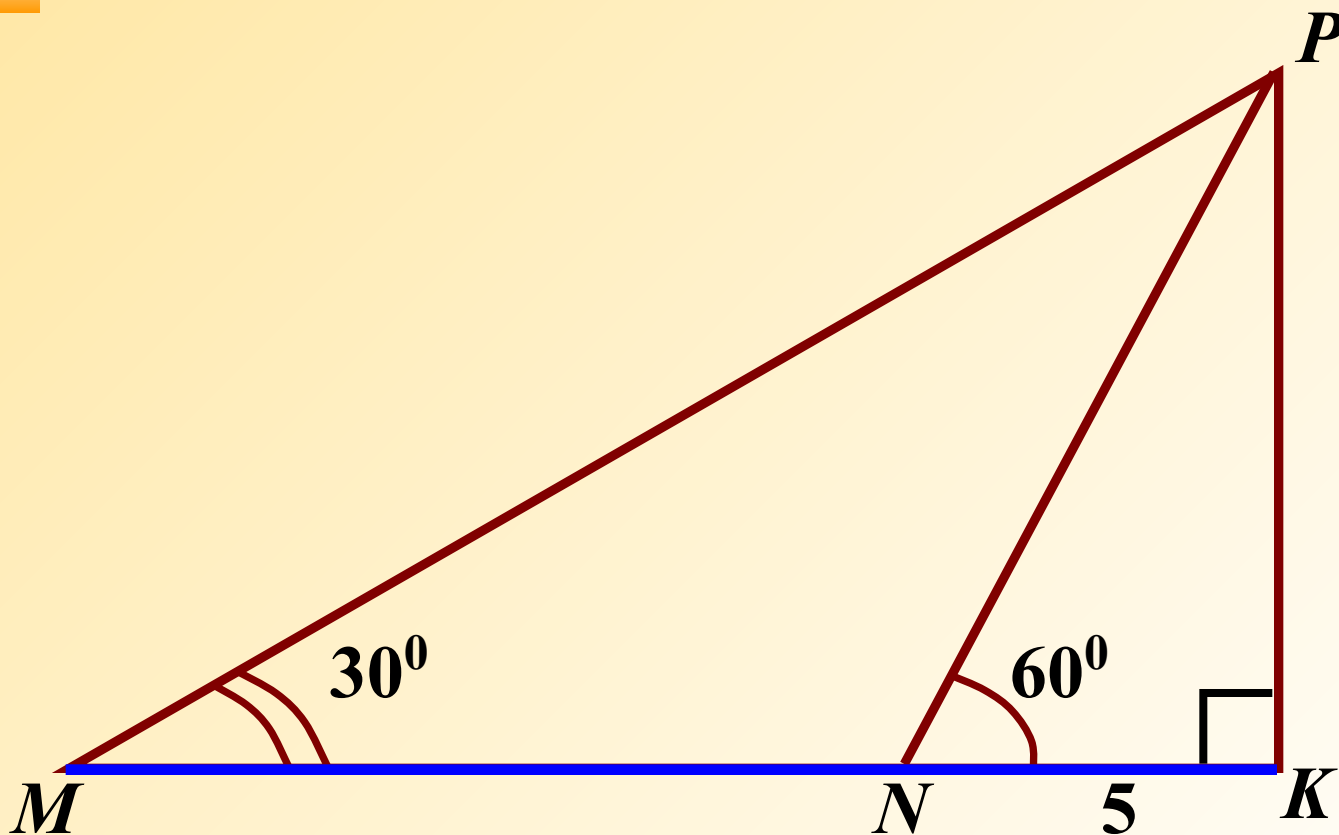
$\angle A\tilde{N}E$



14.

Дано:  $\triangle MPK$

Найти:  $M\hat{E}$





15.

*Дано:*

$\triangle ABC$

*Найти:*

$\hat{A\hat{A}}$

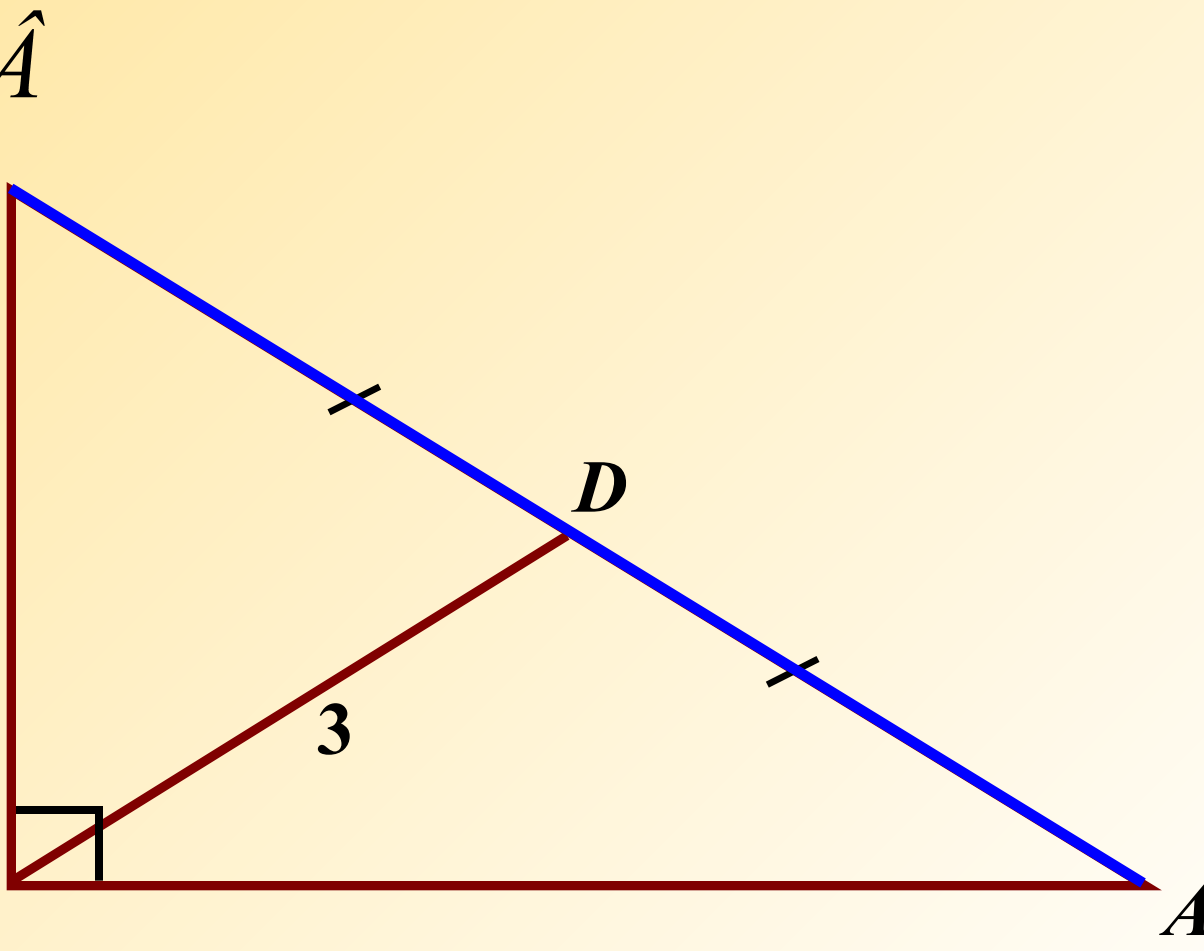
$B$

$D$

3

$C$

$A$



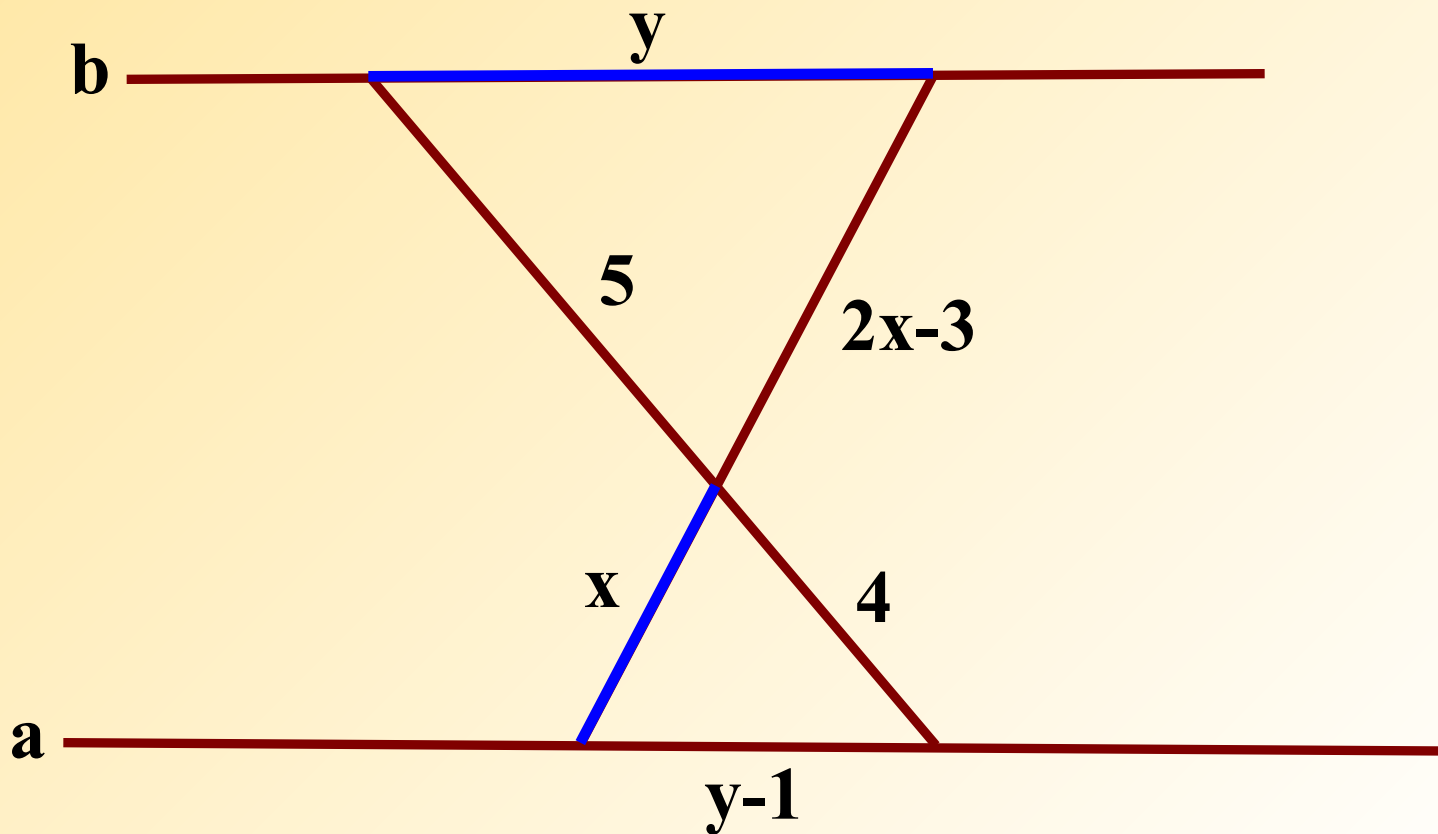
16.

*Дано:*

$a \parallel b$

*Найти:*

$x, y$



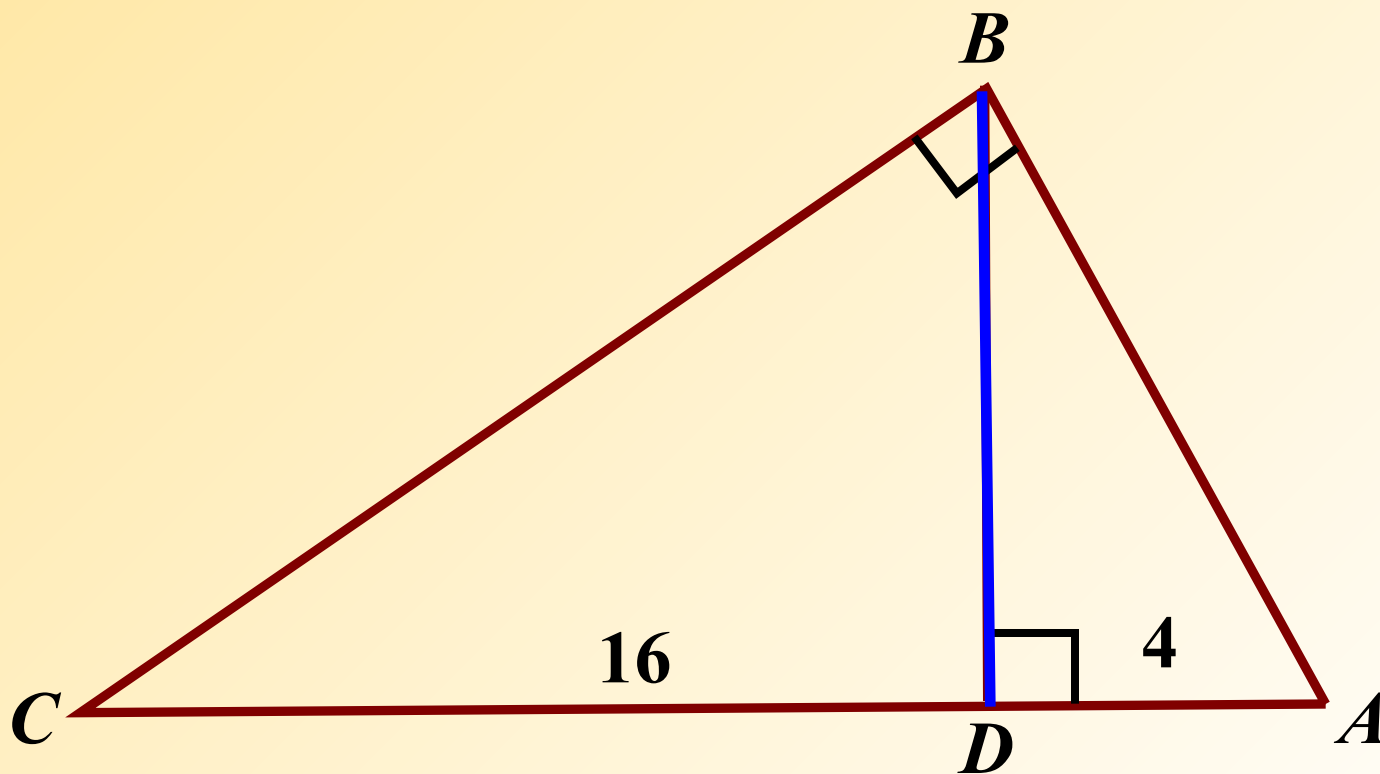
17.

*Дано:*

$\triangle ABC$

*Найти:*

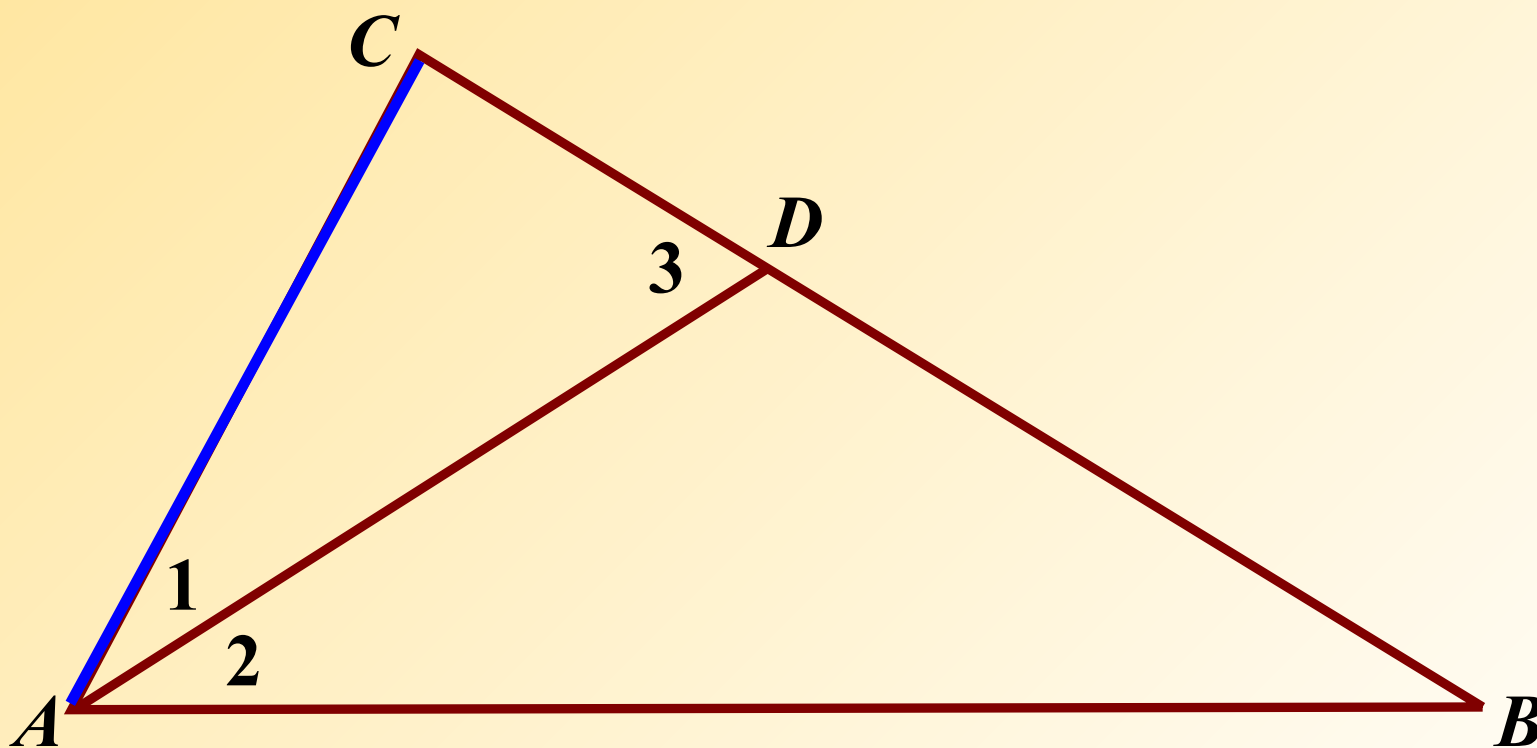
$\hat{A}D$



18.

**Дано:**  $\angle 3 = \angle 1 + \angle 2$ ,  $\tilde{N}D = 4$ ,  $CB = 9$

**Найти:**  $A\tilde{N}$



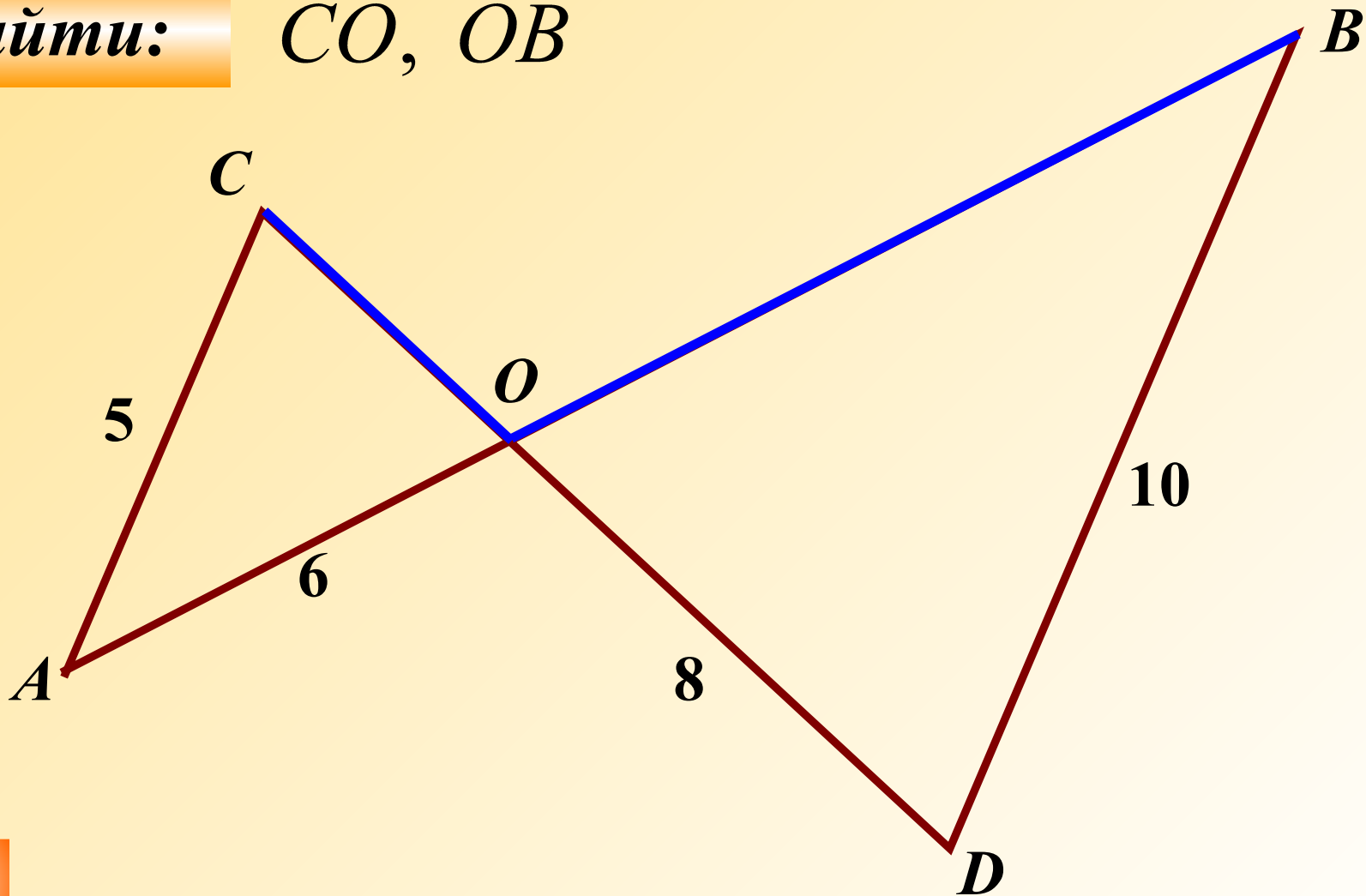
19.

*Дано:*

$AC \parallel BD$

*Найти:*

$CO, OB$



20.

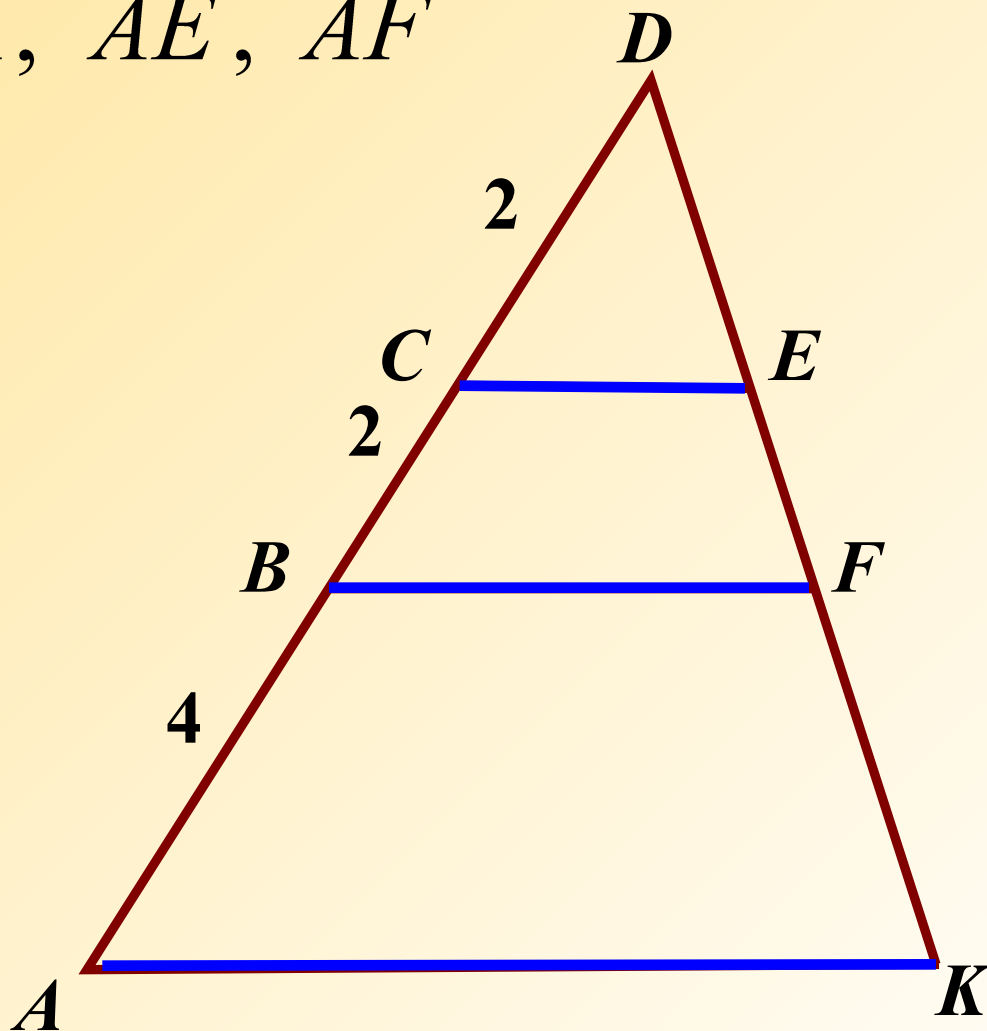
*Дано:*

$\tilde{N}A\hat{I}A\hat{E}I\hat{I}A\hat{F}$

$$CA + AF + AE = 21$$

*Найти:*

$\tilde{N}A$ ,  $AE$ ,  $AF$



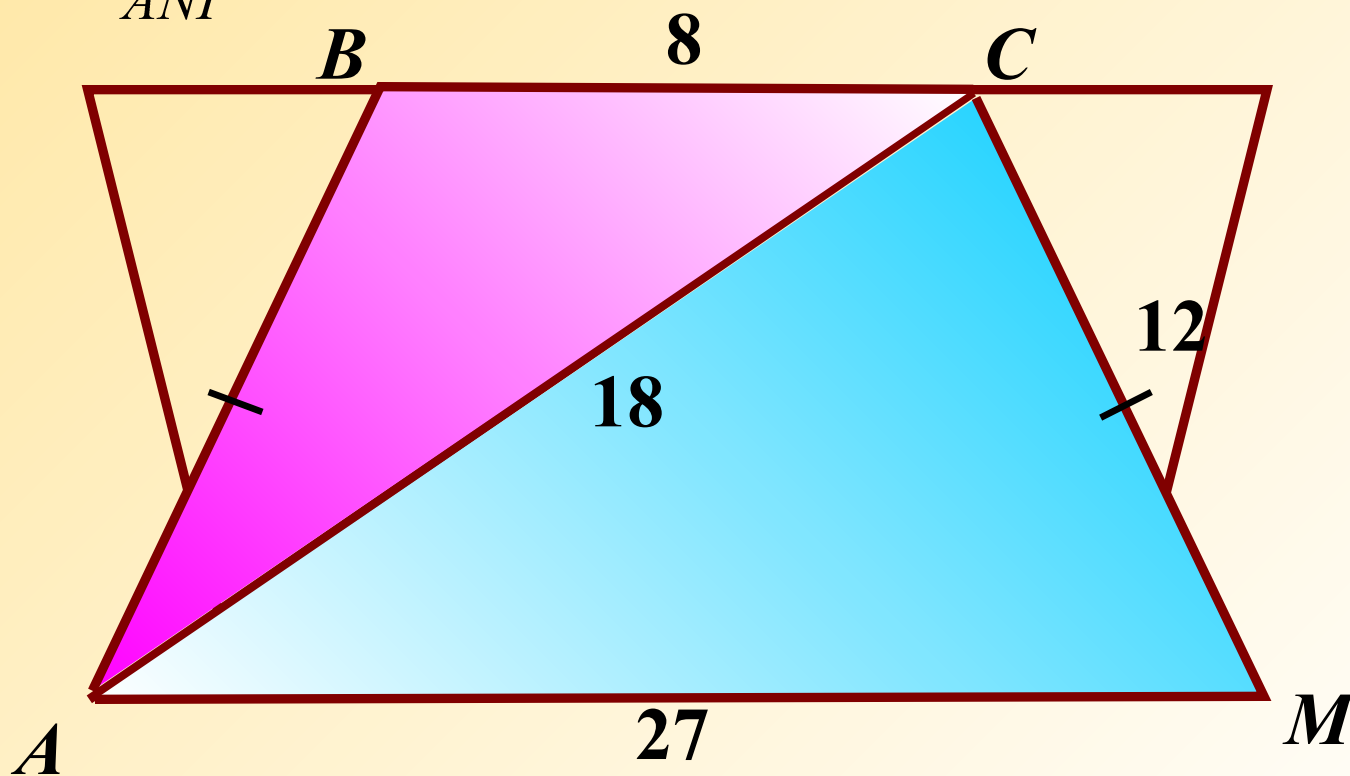
21.

Дано:

$ABCD$  – параллелограмм

Найти:

$$\frac{S_{\triangle ABC}}{S_{\triangle ANM}}$$



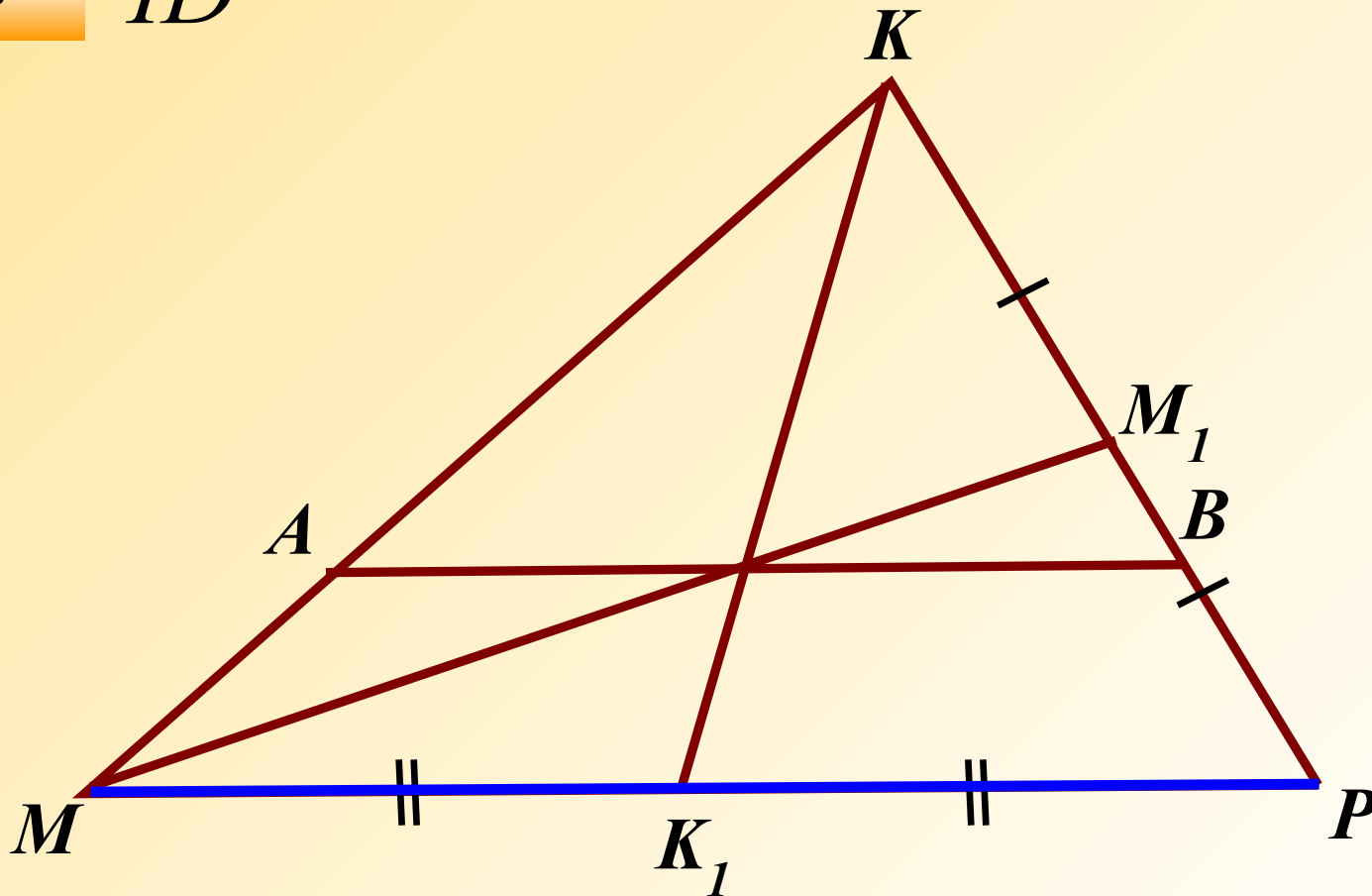
22.

Дано:

$$\triangle I\hat{E}D, \triangle A\hat{M}B$$

$$\hat{E}I_1 = \hat{I}_1D, \hat{A}A = 18$$

Найти:

 $I\hat{D}$ 



23.

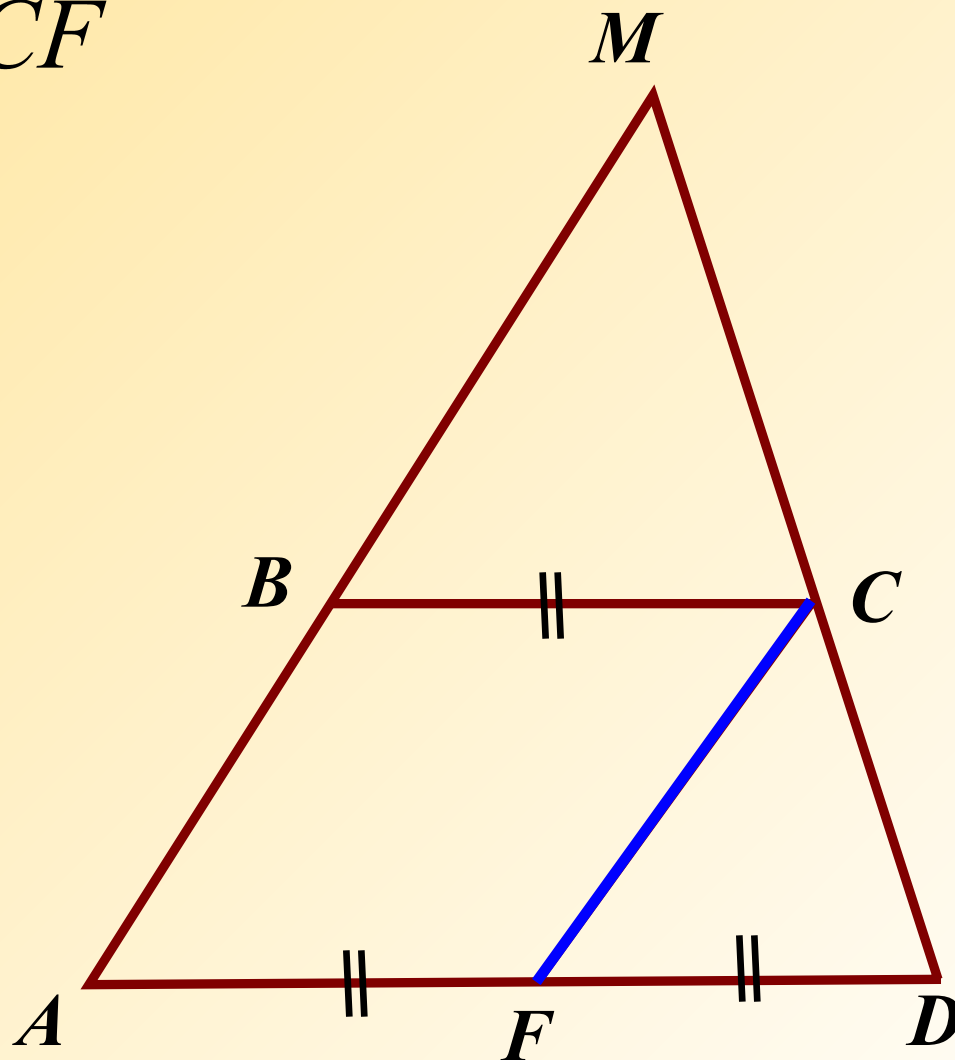
Дано:

$\triangle MND$  –  $\triangle ABC$

$$AM = 10 \text{ см}$$

Найти:

$CF$



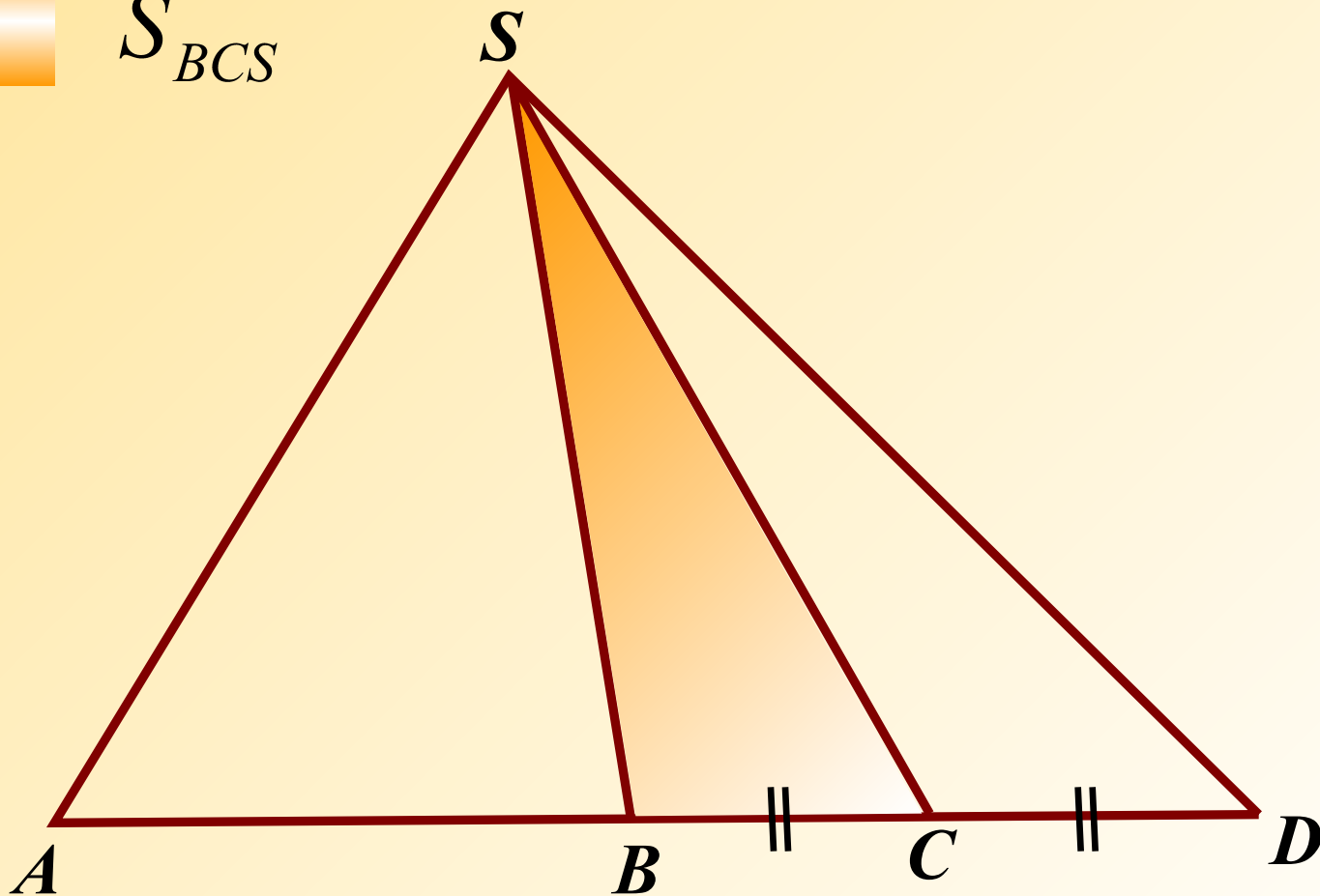
24.

*Дано:*

$$S_{ASD} = 16, AB = BD$$

*Найти:*

$$S_{BCS}$$



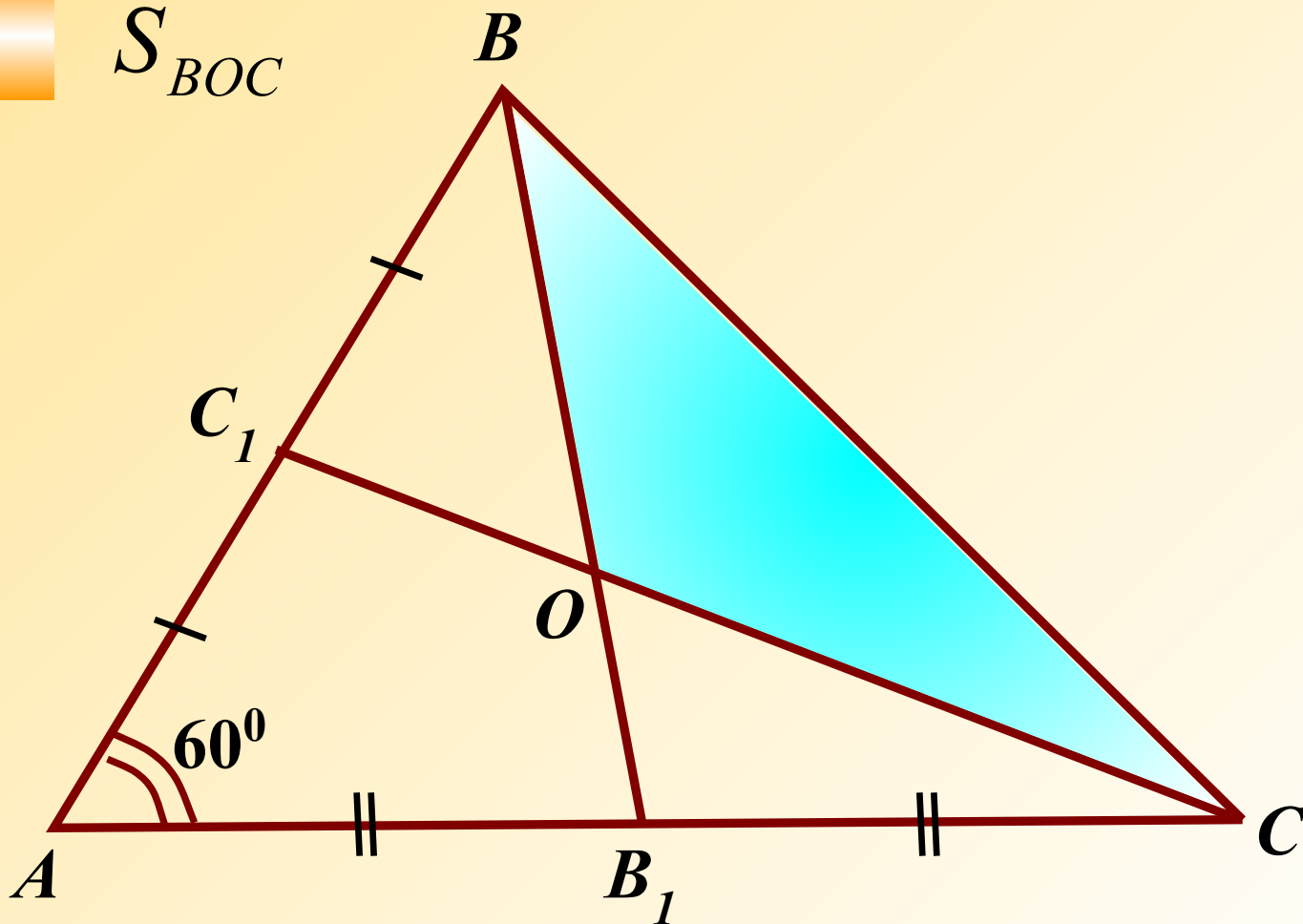
25.

Дано:

$\triangle ABC$ ,  $AB = 10$ ,  $AC = 14$

Найти:

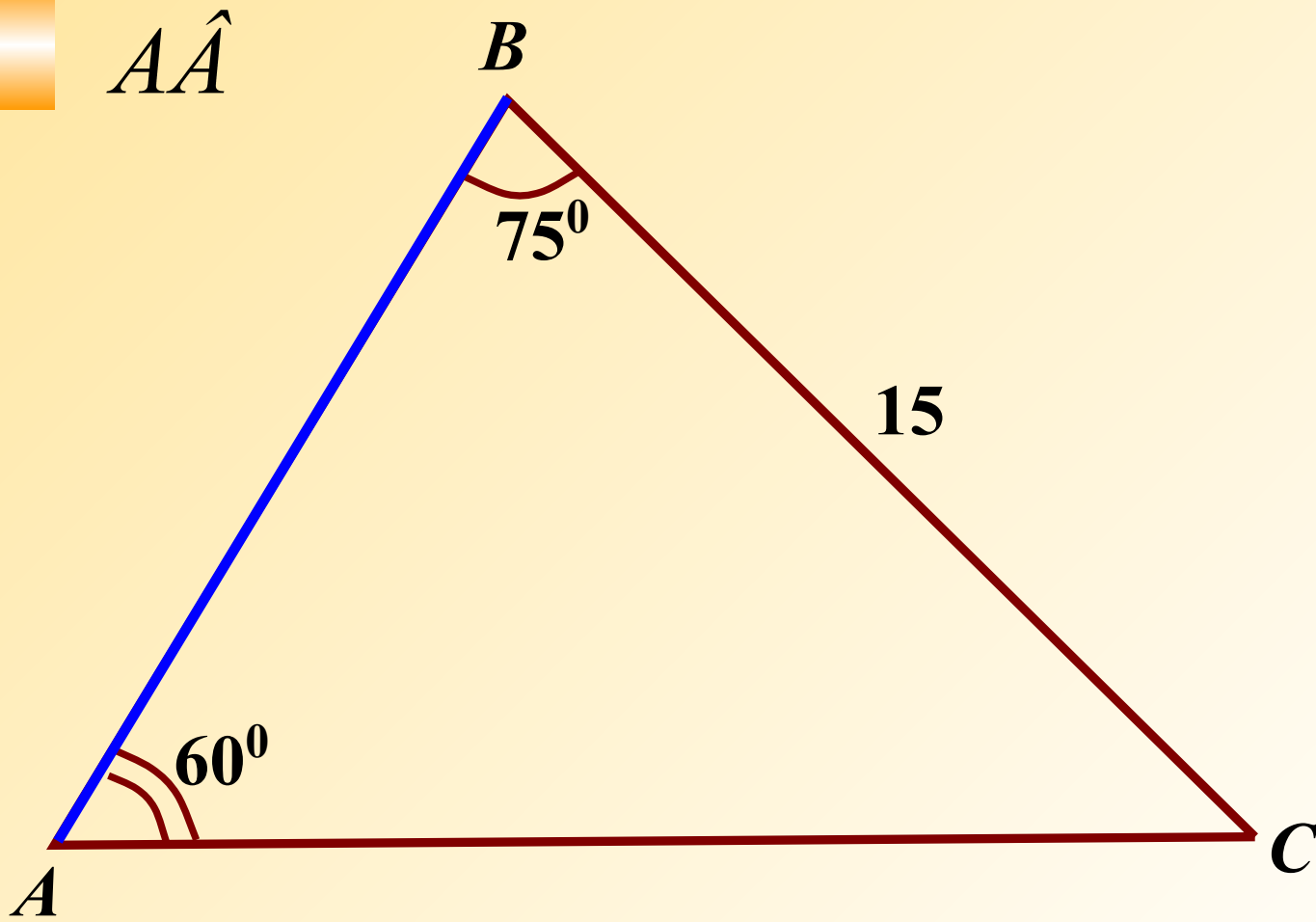
$S_{BOC}$



26.

Дано:  $\triangle ABC$

Найти:  $\hat{A}$



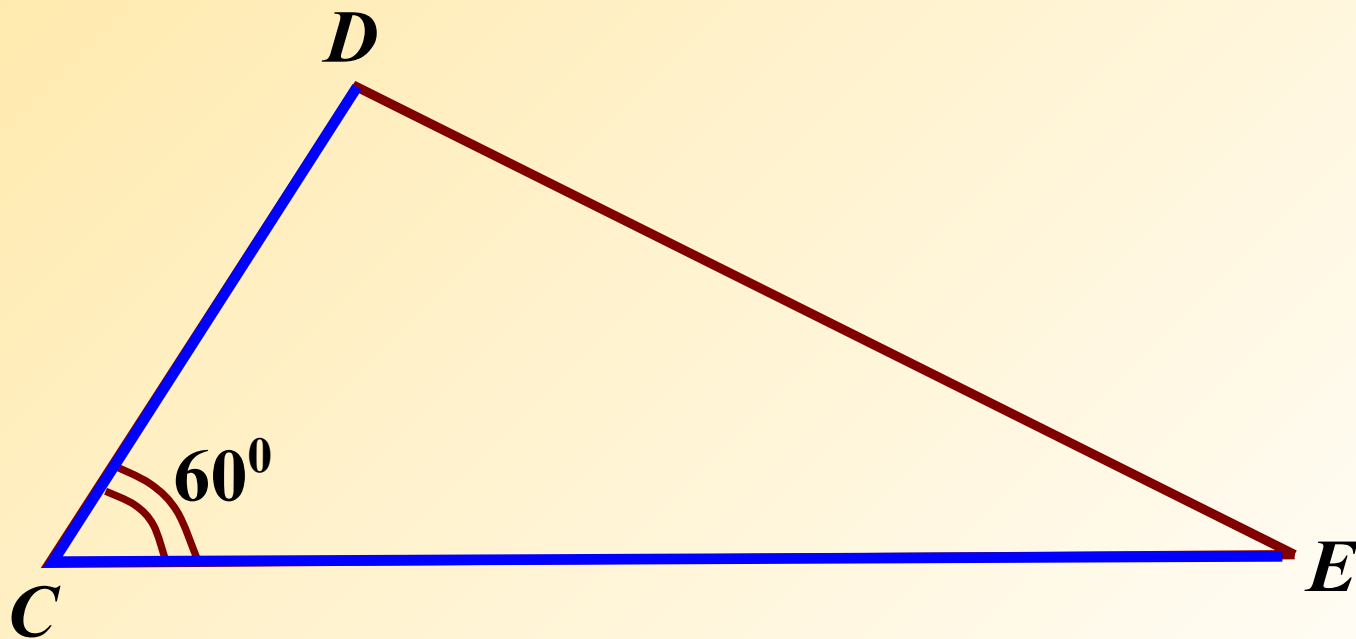
27.

Дано:

$\triangle CDE$ ,  $DE > CD \hat{=} 2,5$  даҕа

Найти:

$$\frac{\tilde{N}A}{\tilde{N}D}$$



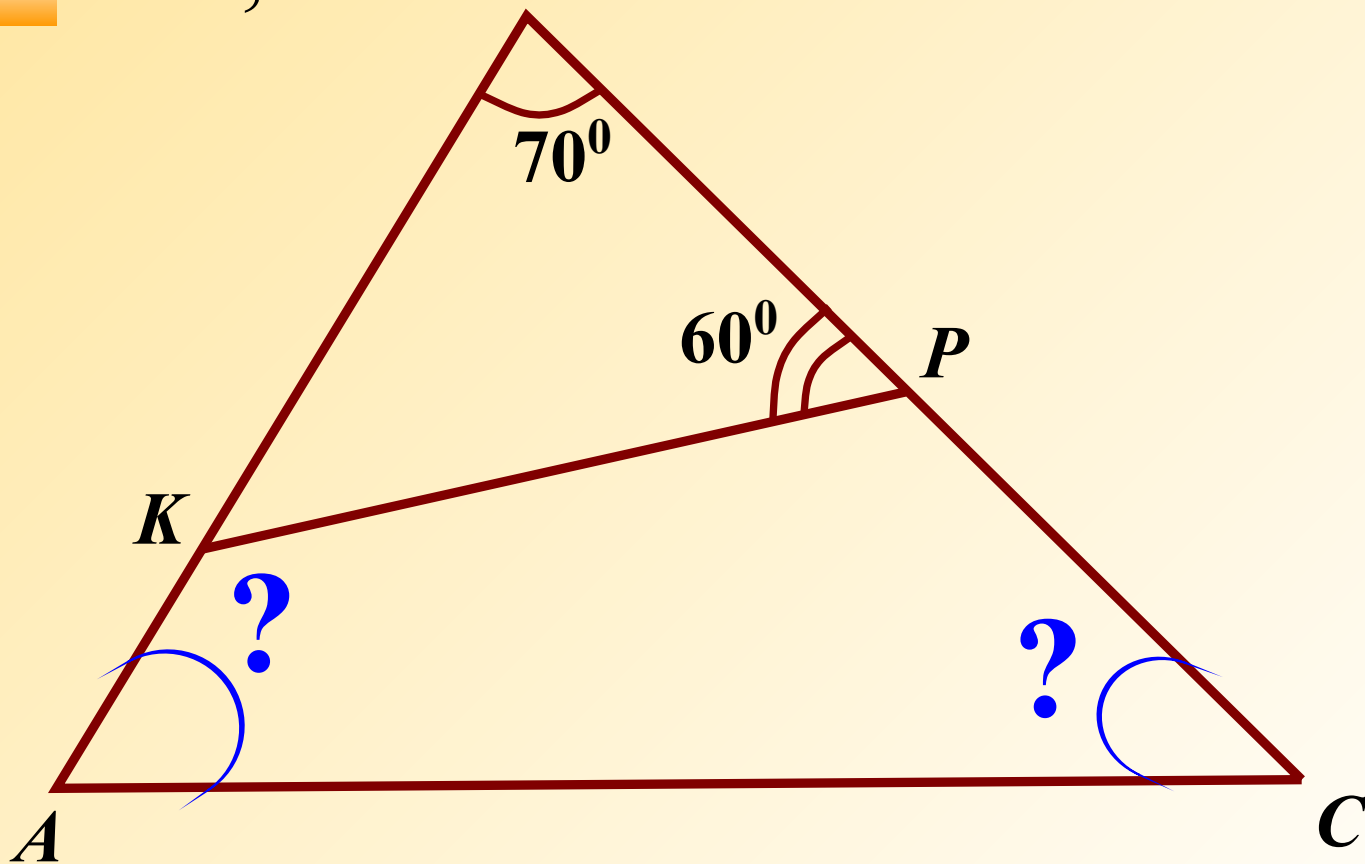
28.

*Дано:*

$$AB \cdot BK = CB \cdot BP$$

*Найти:*

$\angle A$ ,  $\angle C$



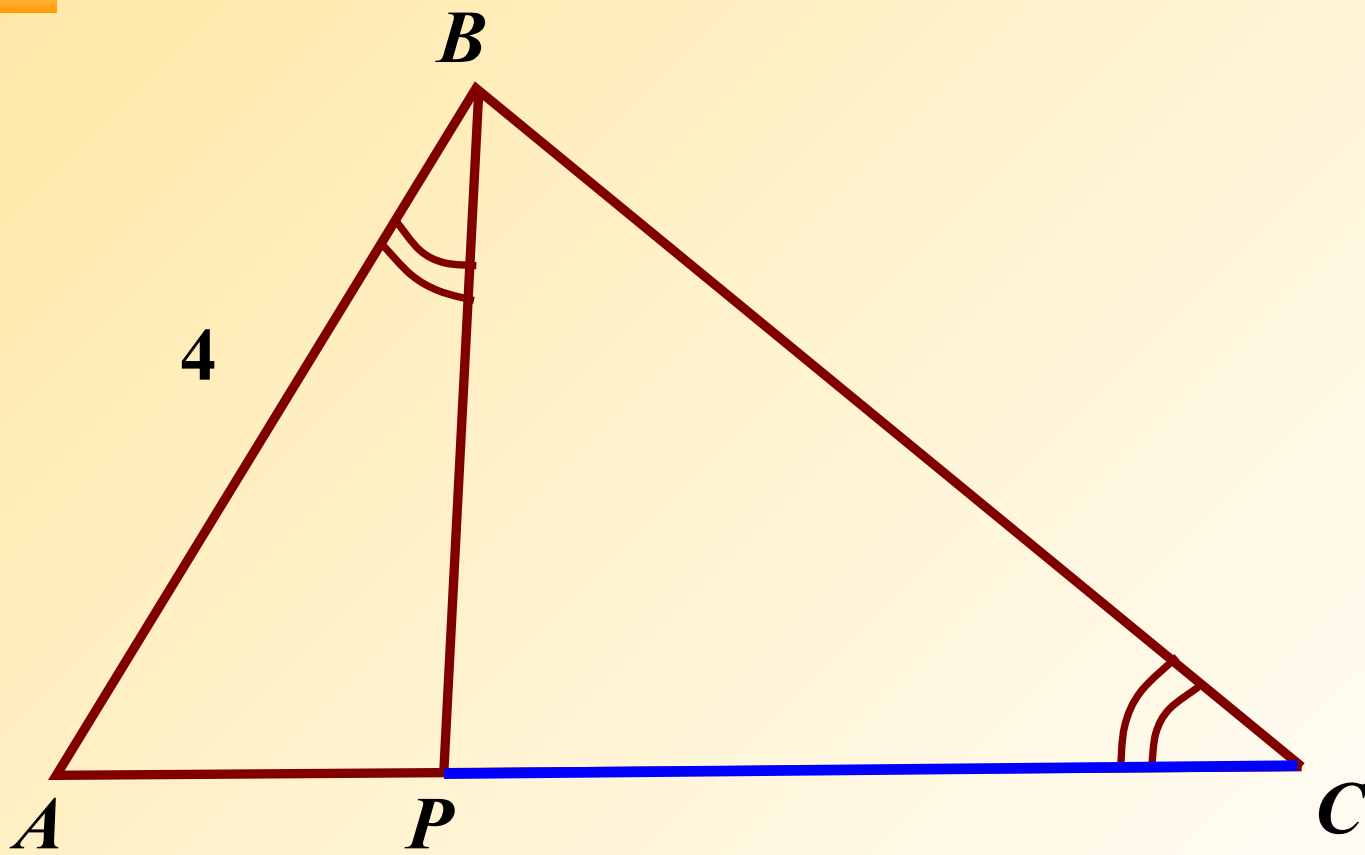
29.

*Дано:*

$\triangle ABC$ ,  $AC = 8$

*Найти:*

$PC$



30.

Дано:  $\triangle ABC$

Найти:  $OC$

