

*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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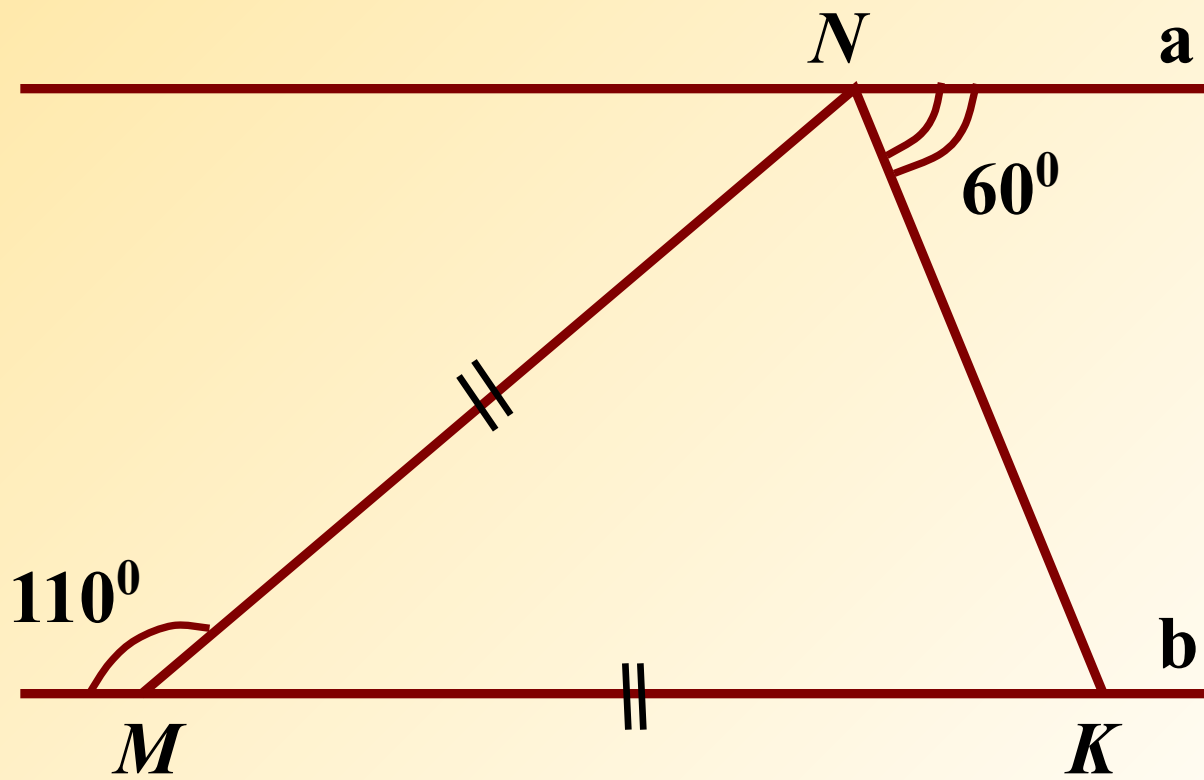
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1. Дано: $MD \parallel NK$ $\angle D = 110^\circ$ $\angle K = 60^\circ$

Вопрос: $\angle M$ $\hat{=}$ $\angle N$ $\hat{=}$ $\angle D$ $\hat{=}$ $\angle K$?



2.

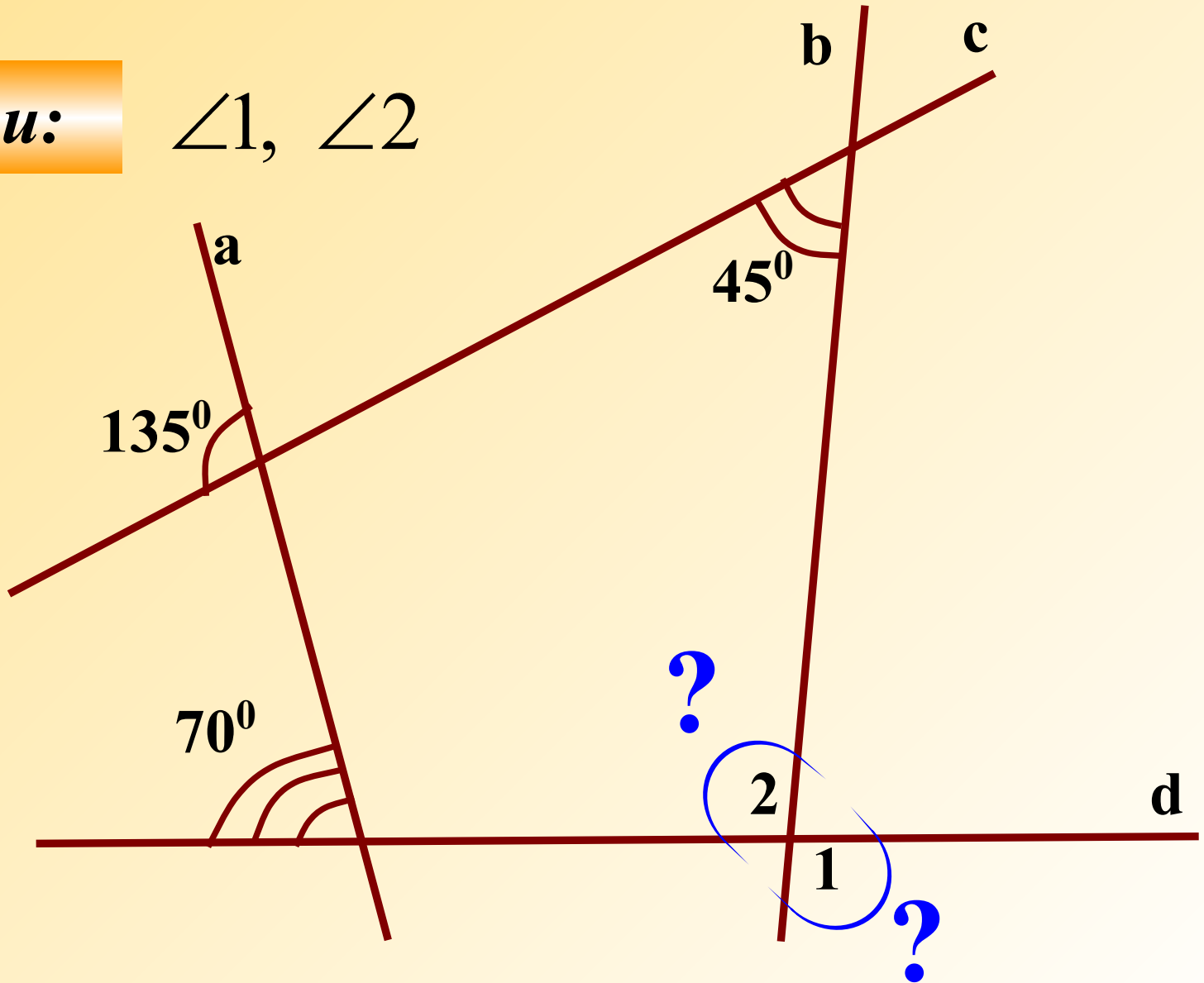
Дано:

їđÿìûâ

à, b, ñ è d

Найти:

$\angle 1, \angle 2$

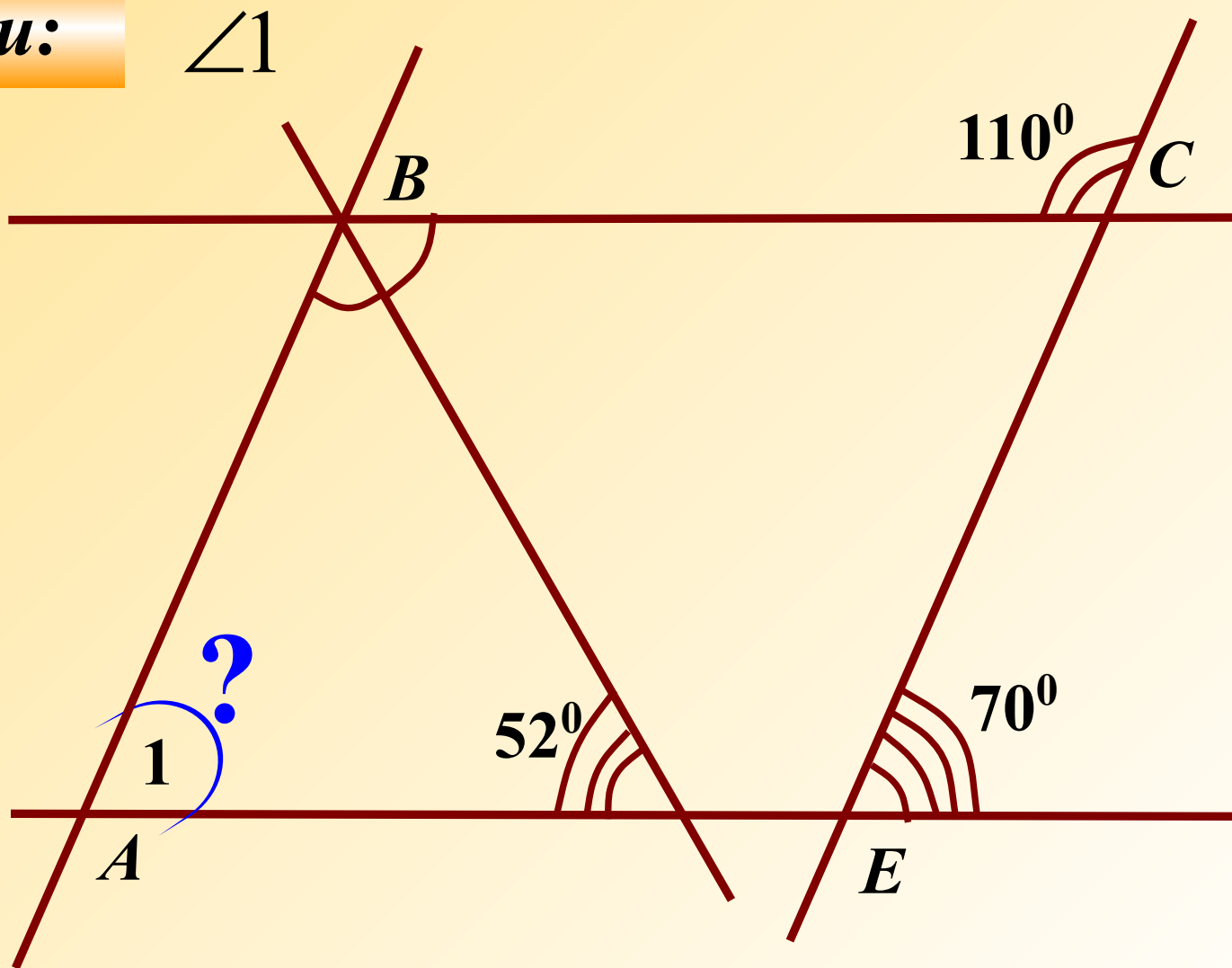


3.

Дано:

BD – *áèññâéòðèñ* à $\angle A\hat{A}N$

Найти:

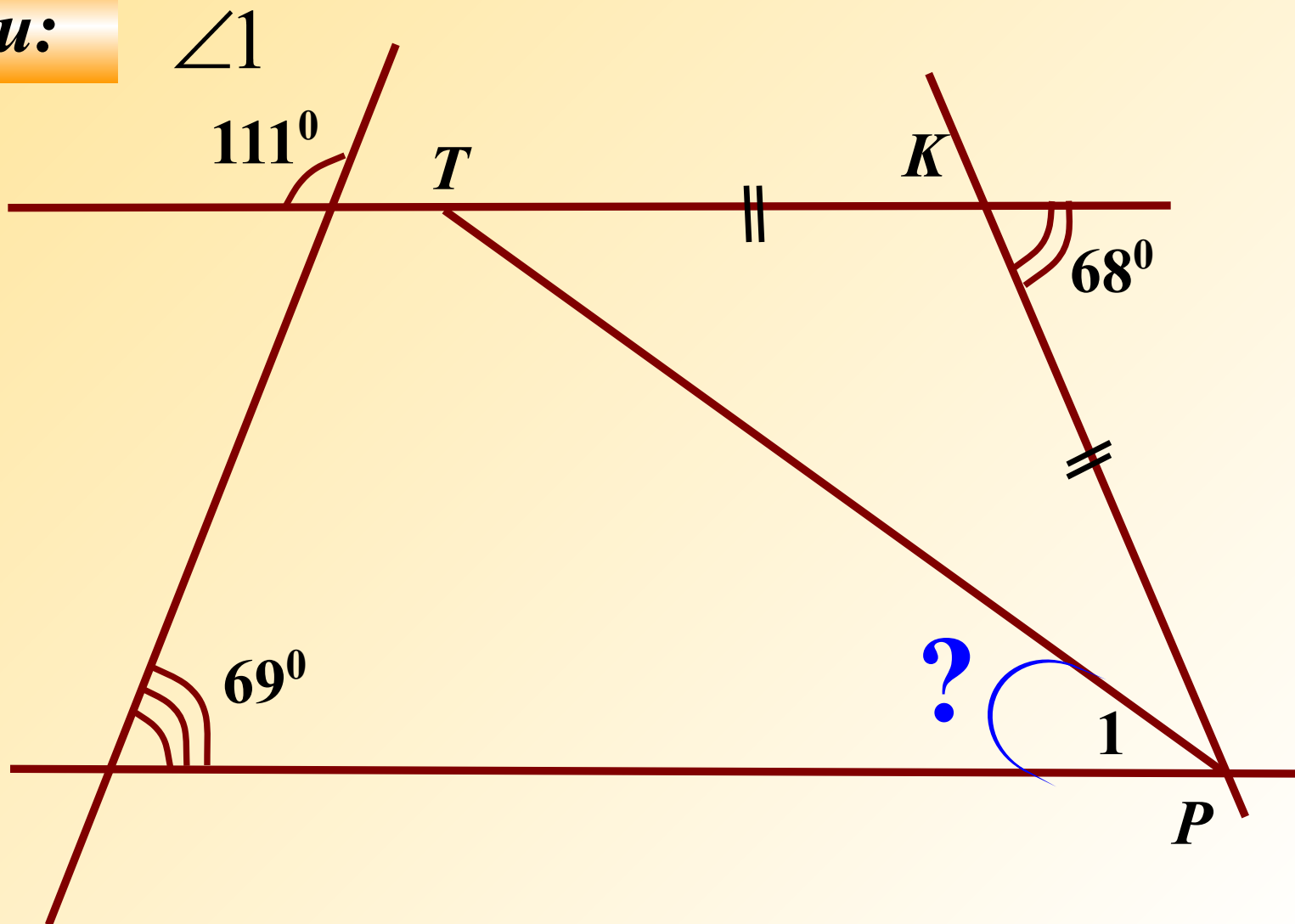


4.

Дано:

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

Найти:



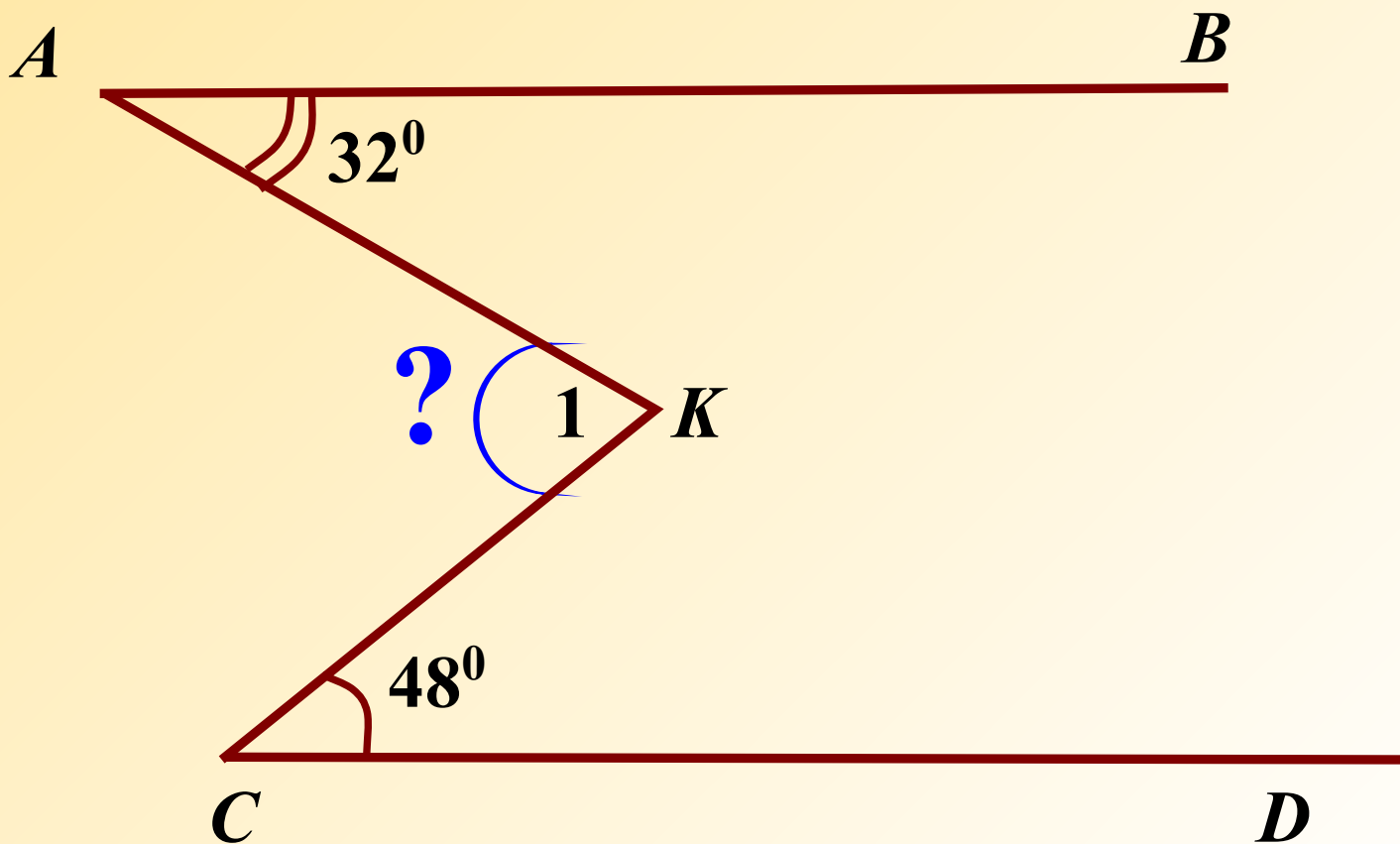
5.

Дано:

$AB \parallel CD$

Найти:

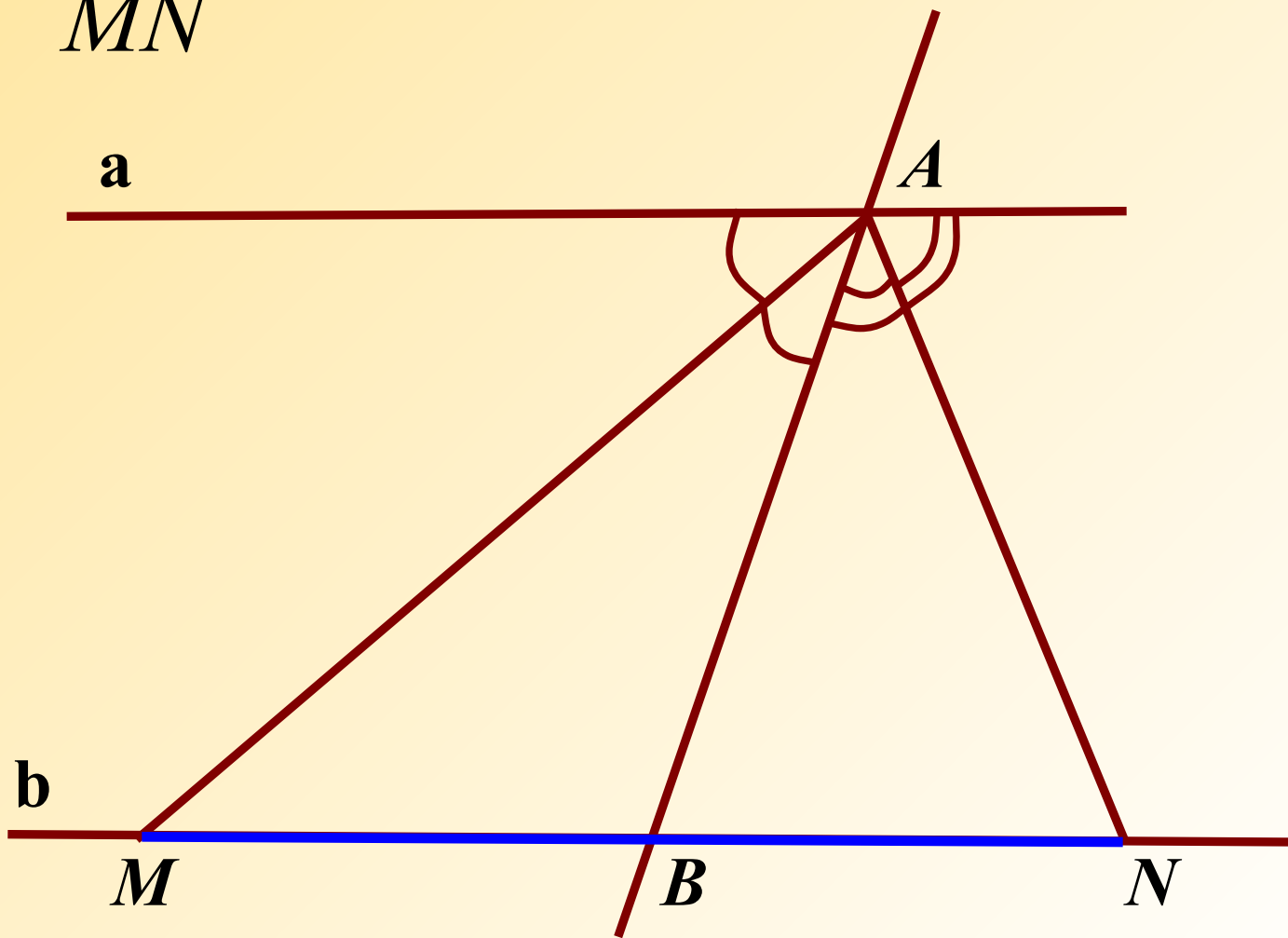
$\angle 1$



6.

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

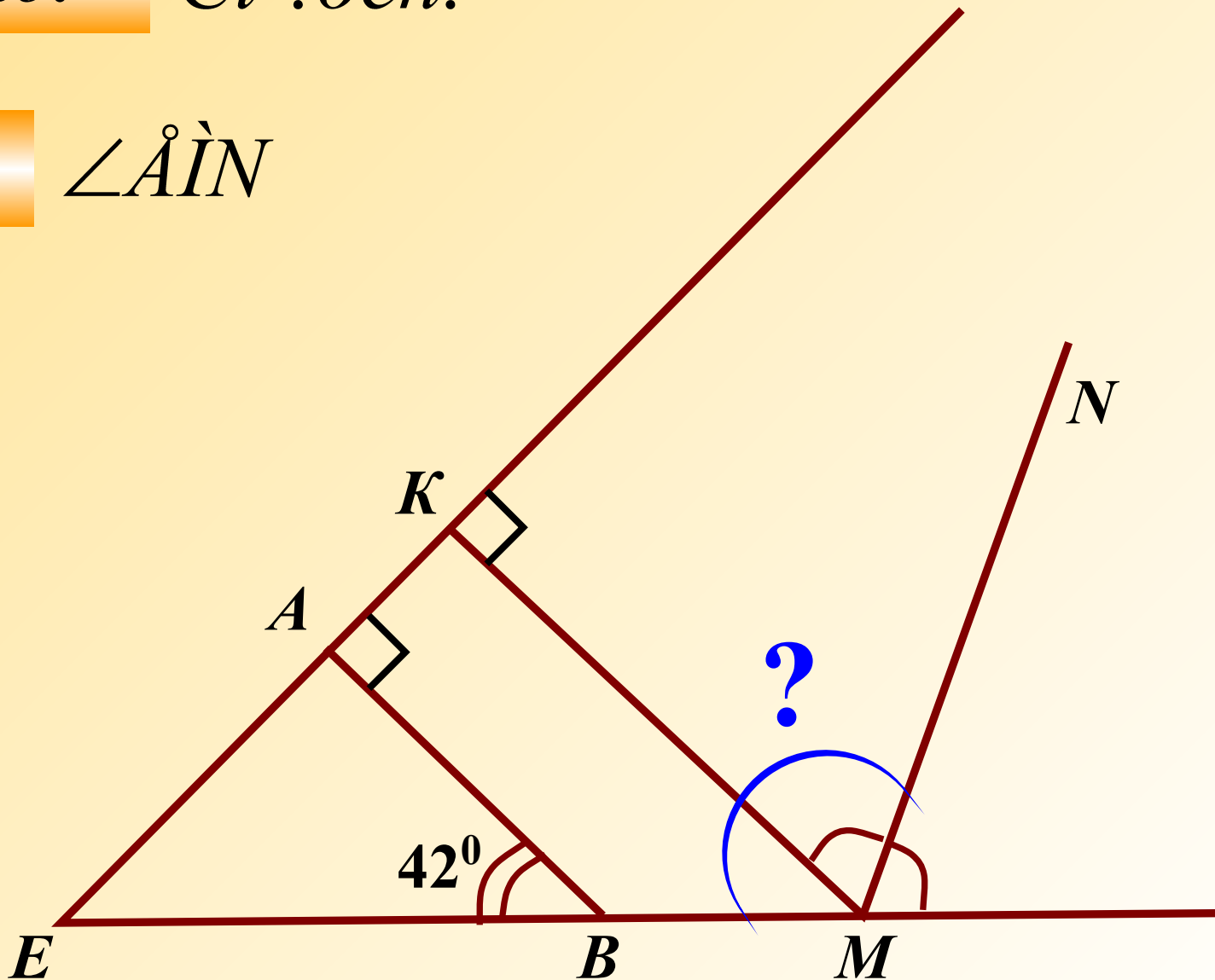
Найти: MN



7.

Дано: Сі . ðèñ.

Найти: $\angle AIN$



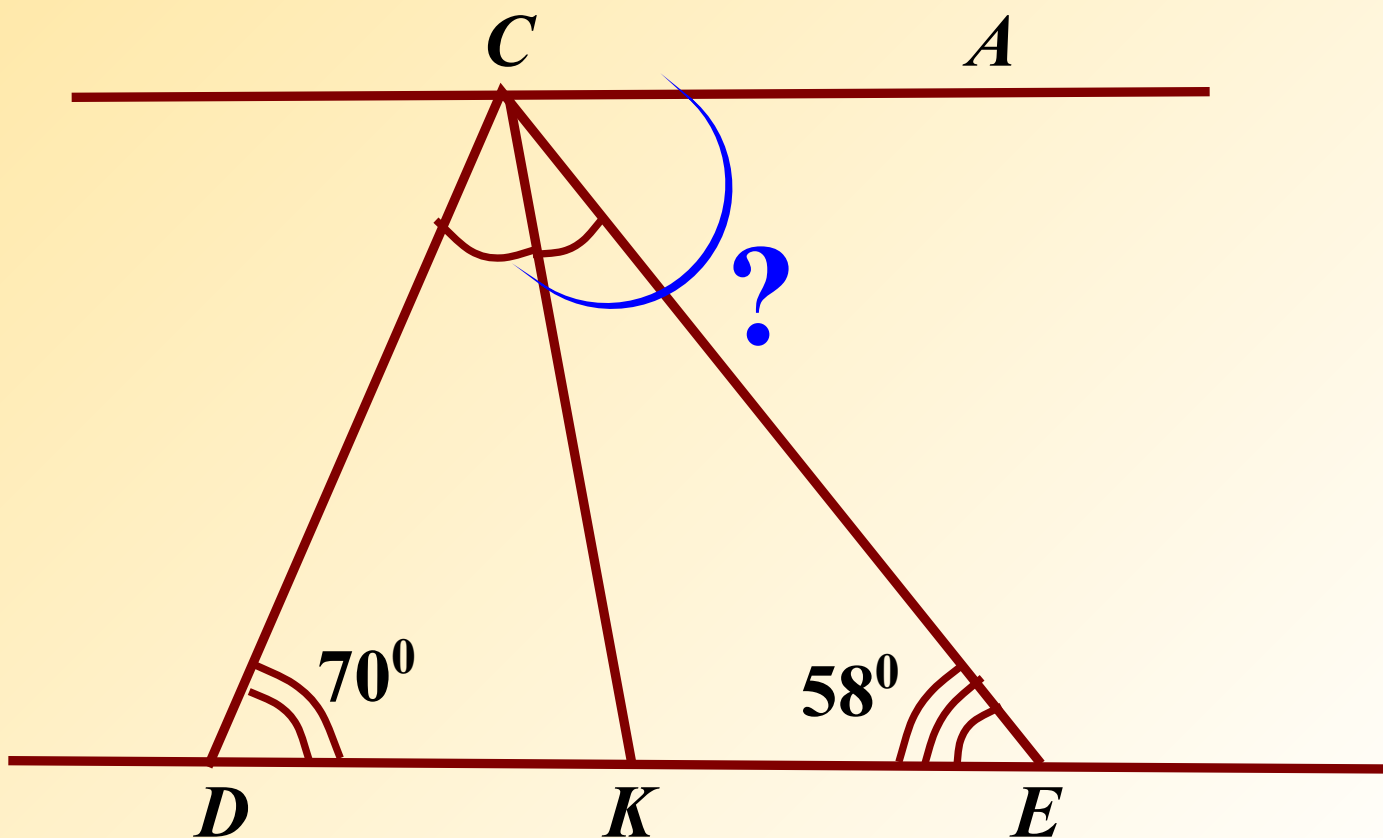
8.

Дано:

$AN \parallel DE$

Найти:

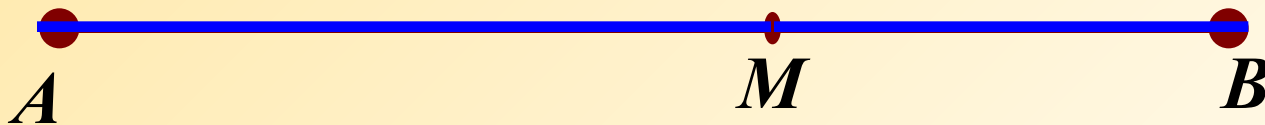
$\angle ANE$



9.

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

Найти: AI , IB



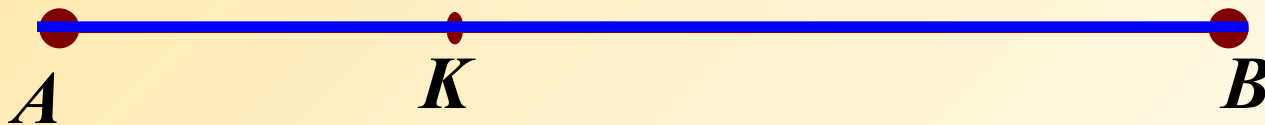
10.

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}



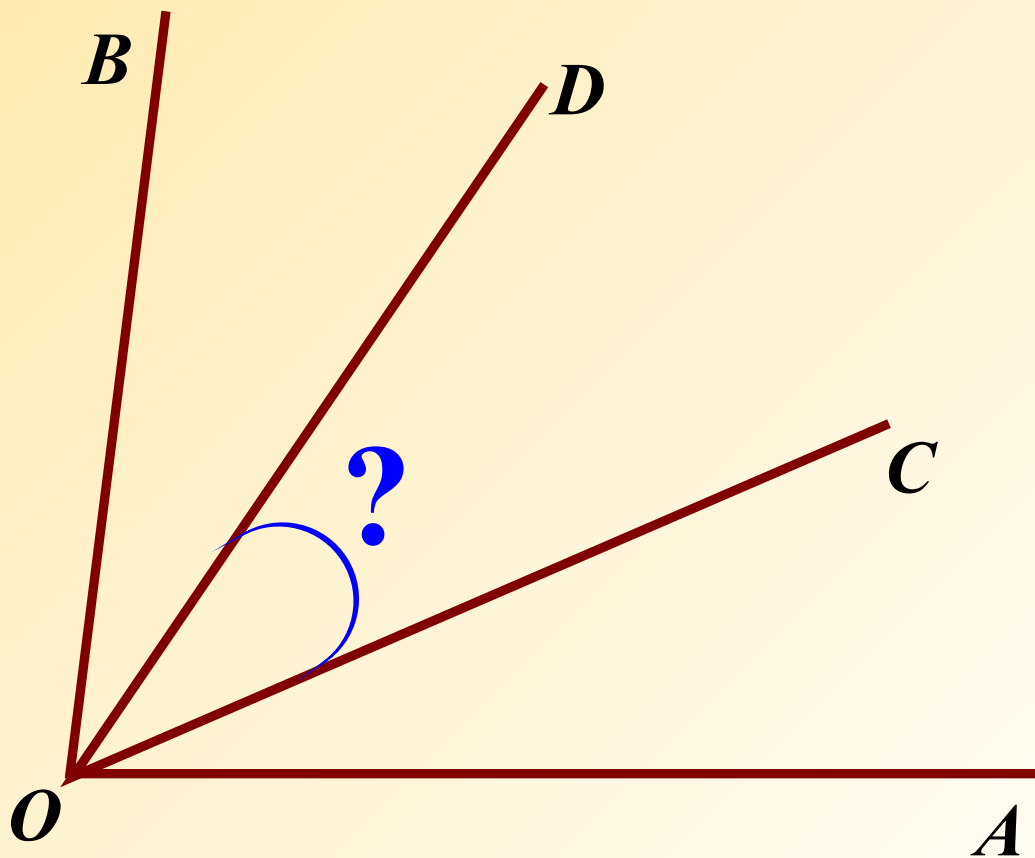
12.

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:

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

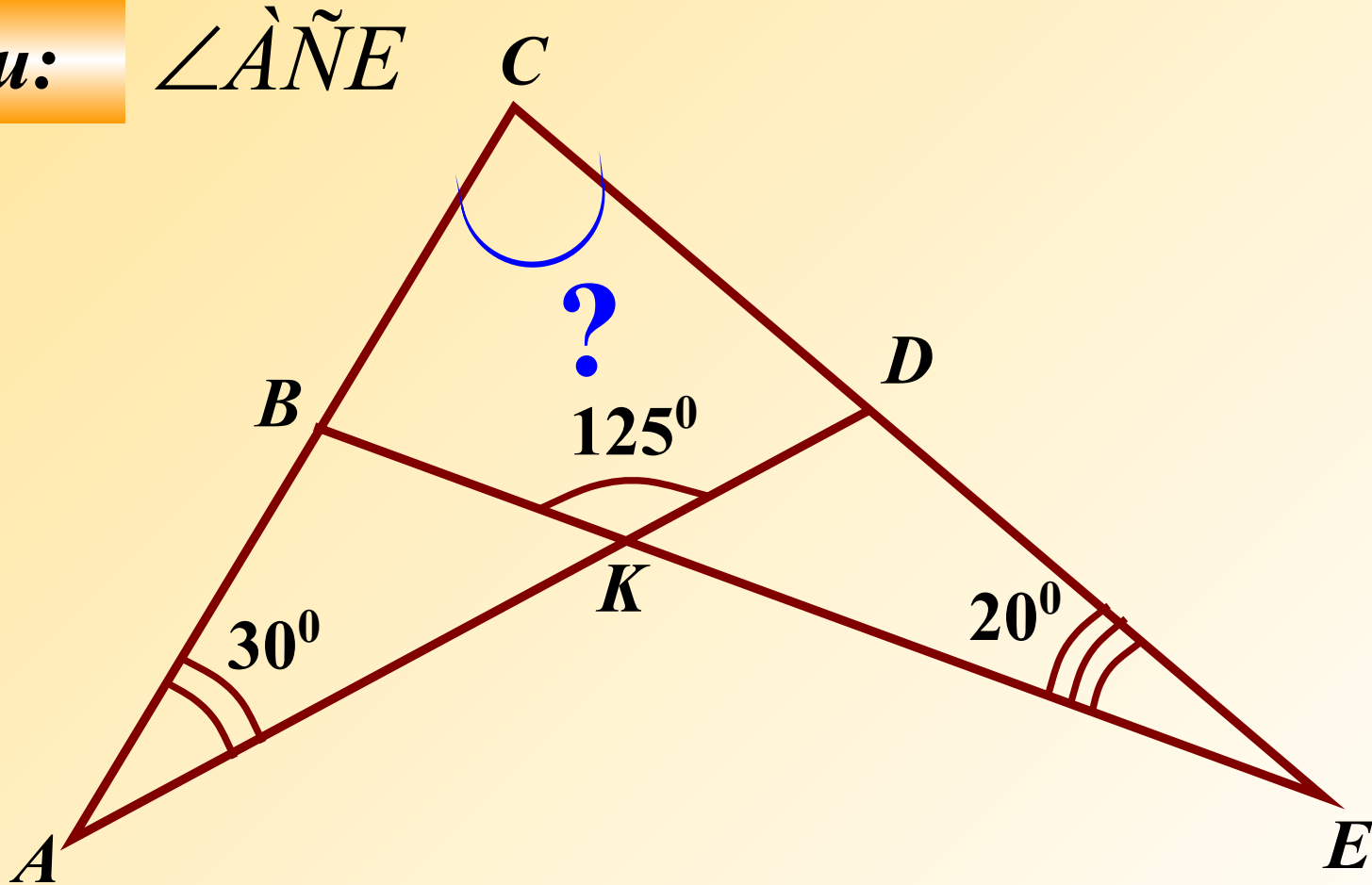


13.

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

Найти:

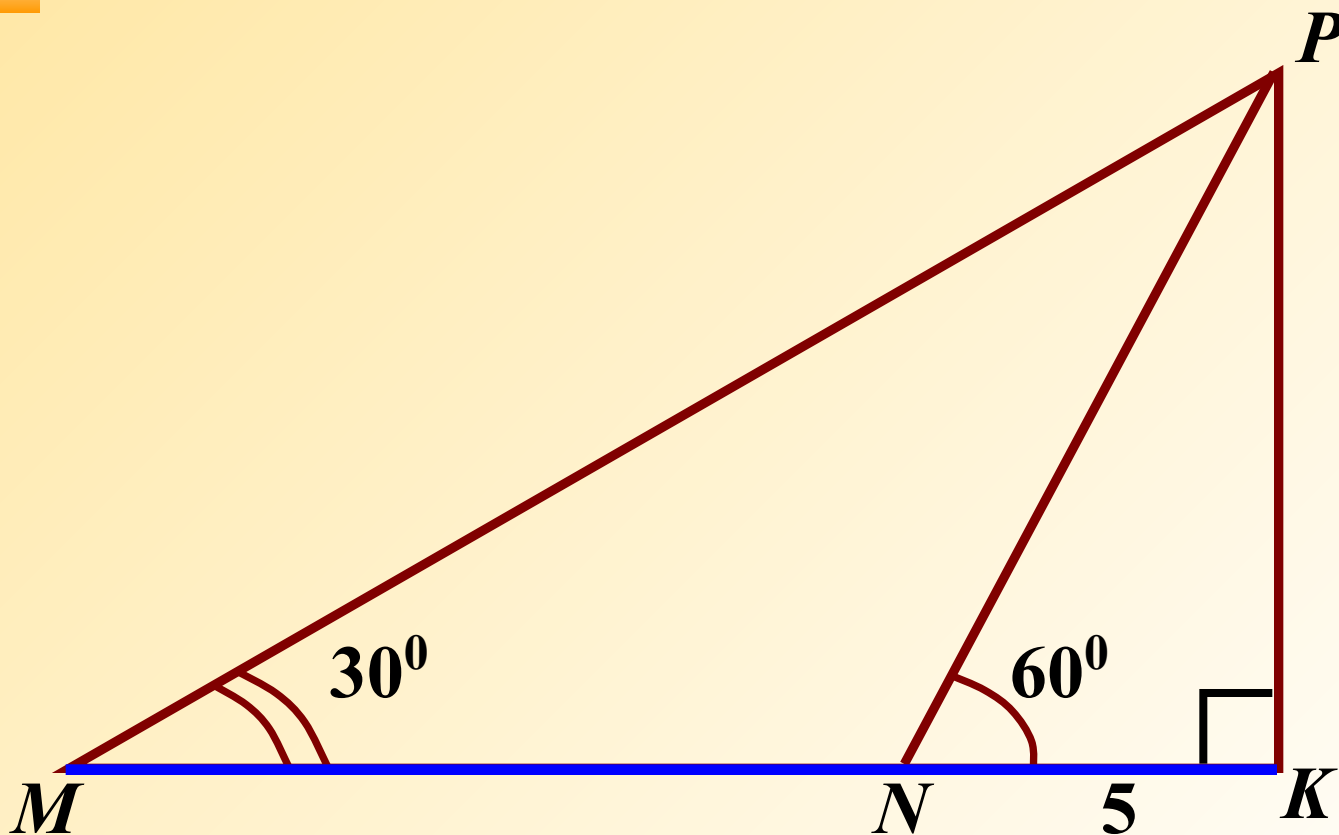
$\angle A\tilde{N}E$



14.

Дано: $\triangle MPK$

Найти: $M\hat{E}$



15.

Дано:

$\triangle ABC$

Найти:

\hat{A}

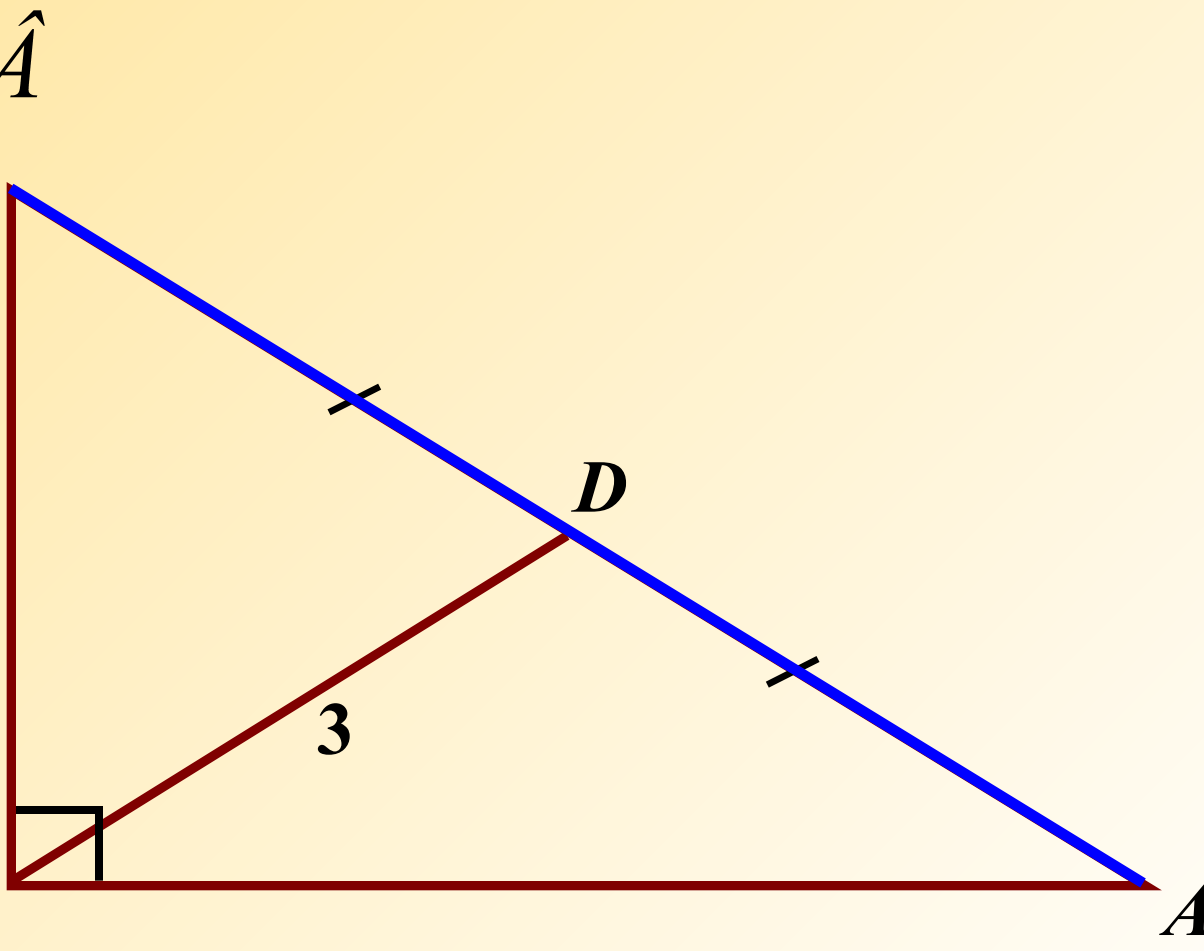
B

D

3

C

A



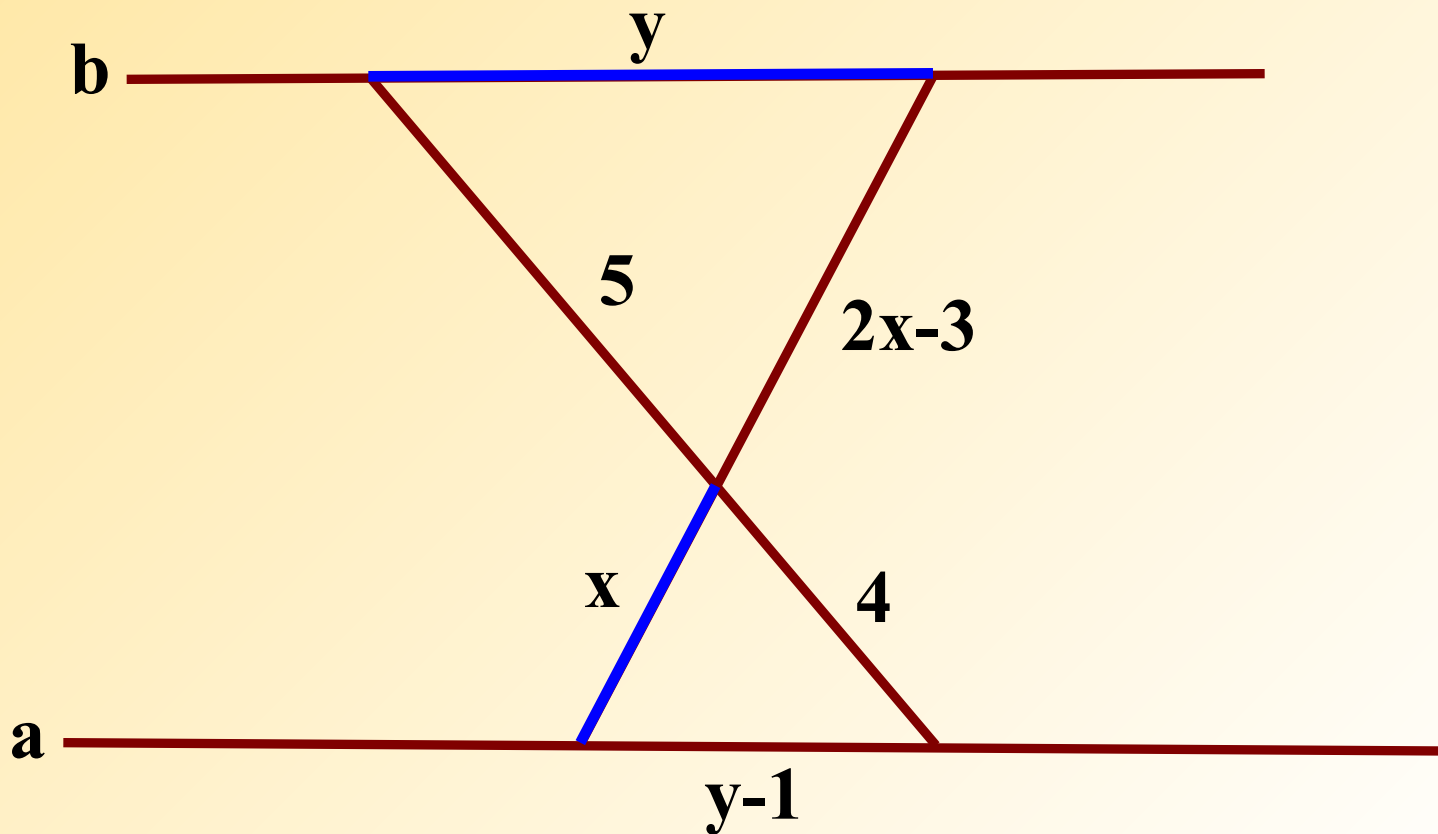
16.

Дано:

$a \parallel b$

Найти:

x, y



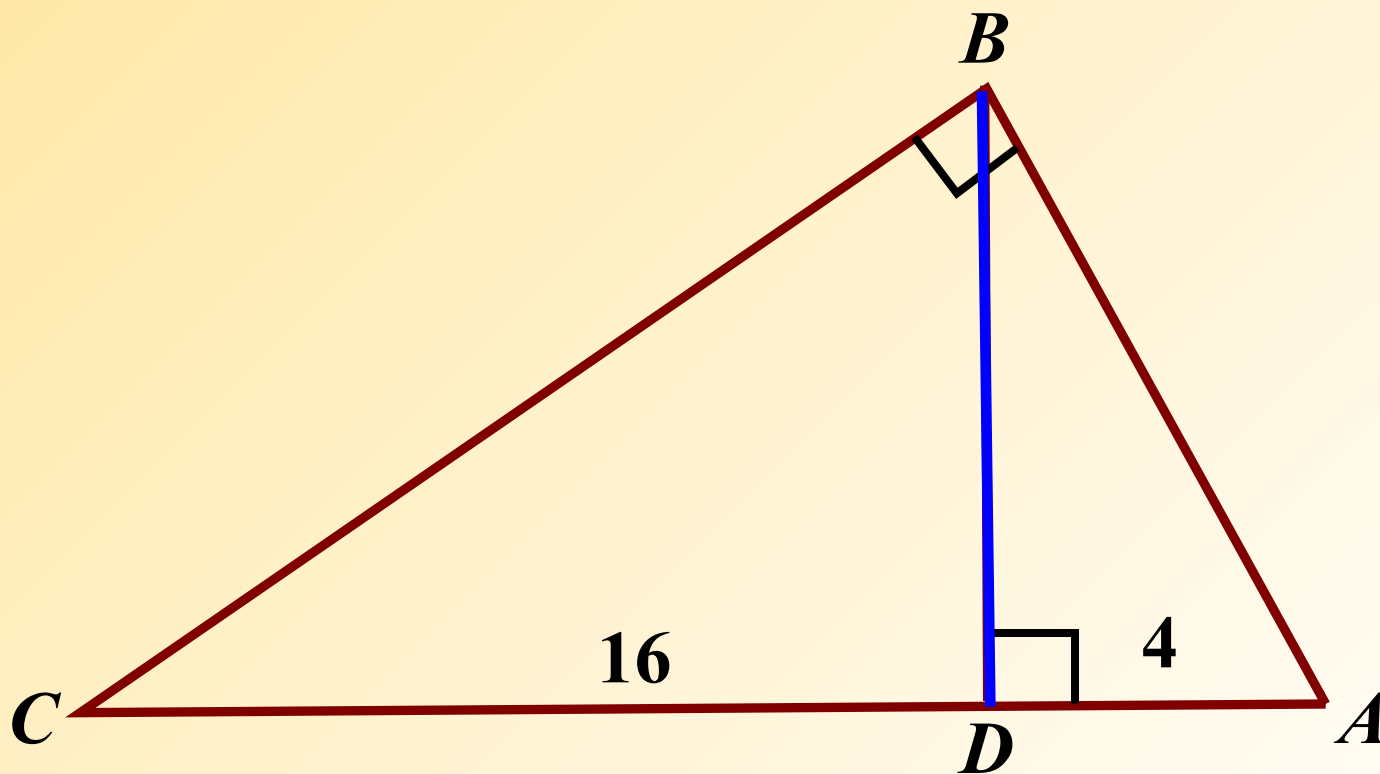
17.

Дано:

$\triangle ABC$

Найти:

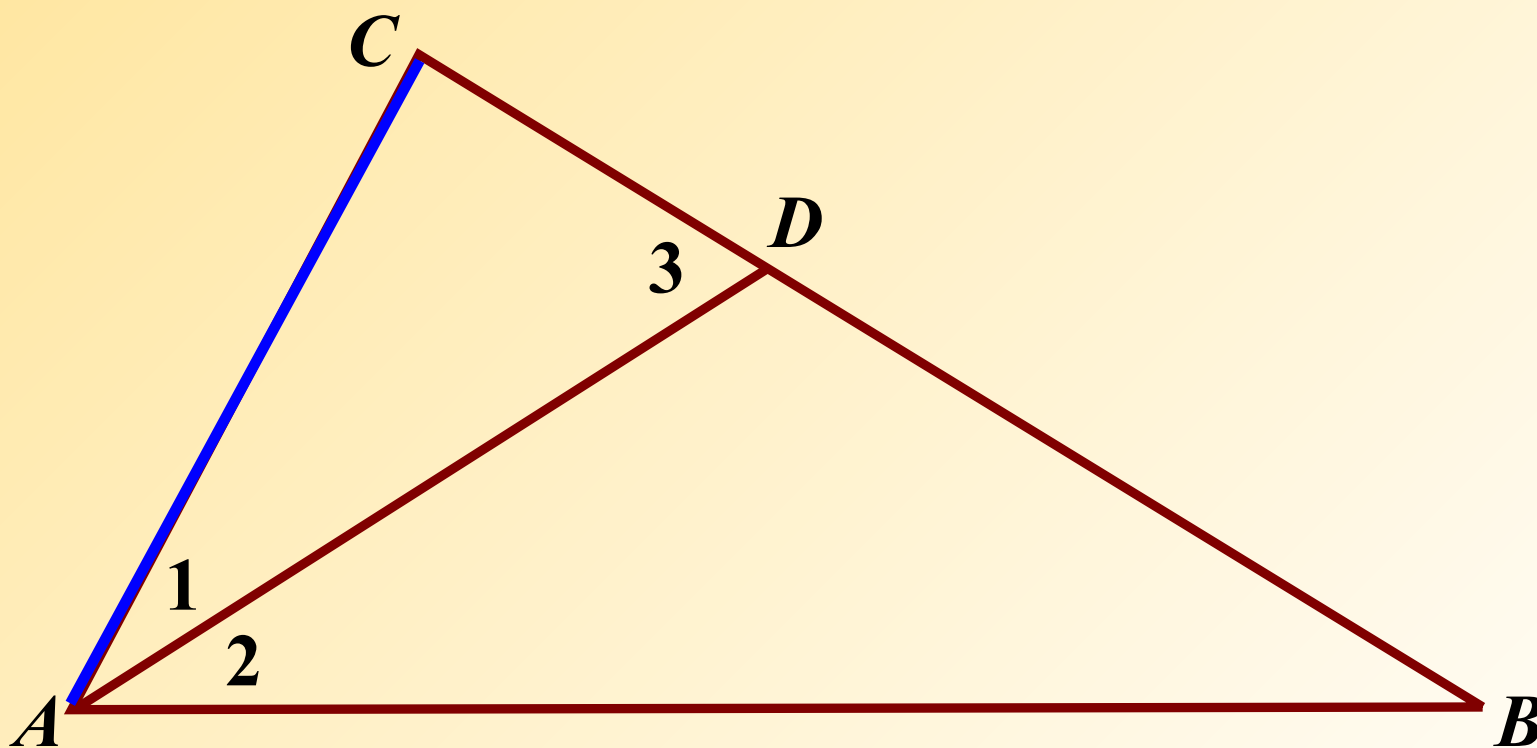
$\hat{A}D$



18.

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

Найти: $A\tilde{N}$



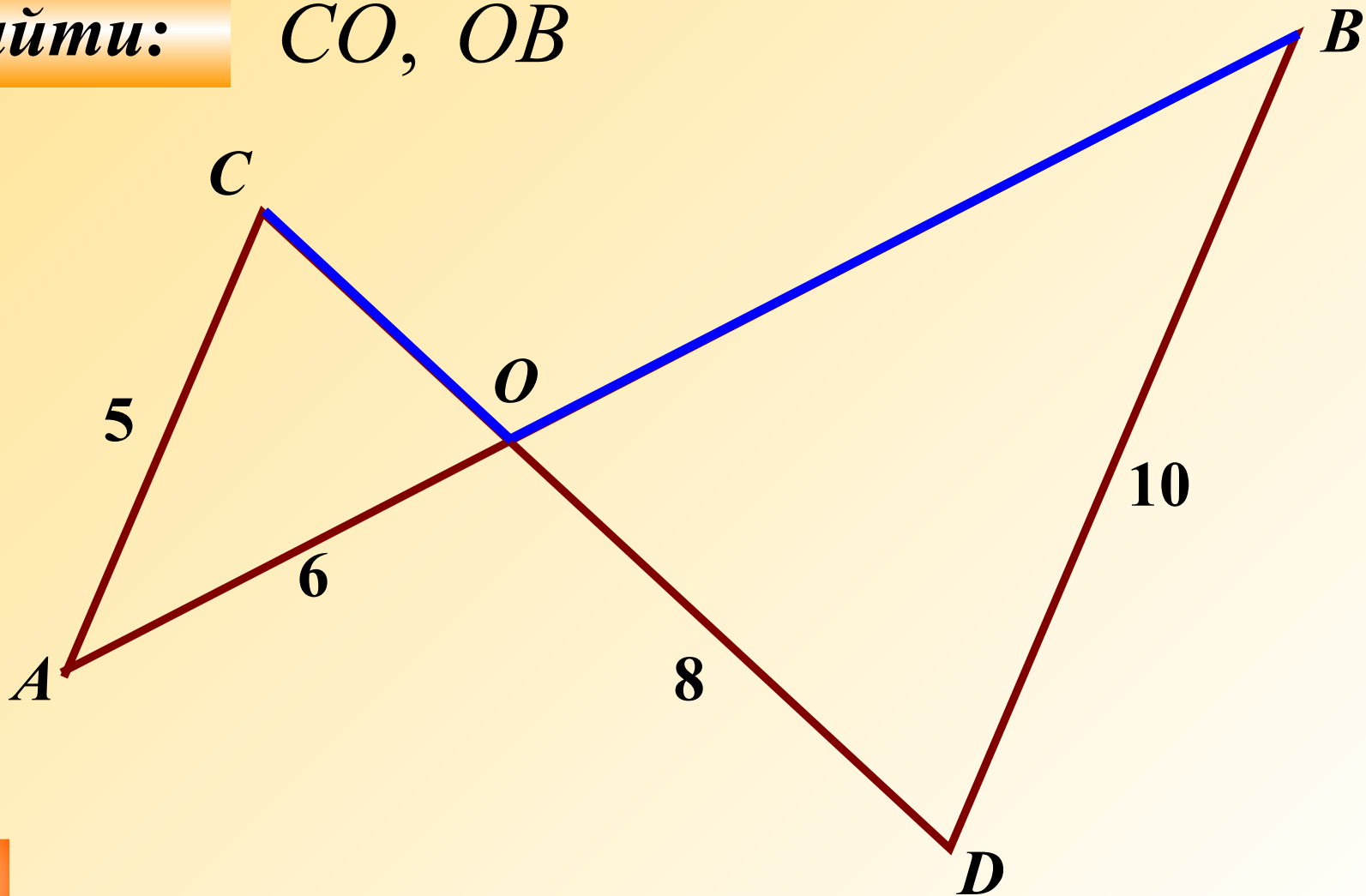
19.

Дано:

$AC \parallel BD$

Найти:

CO, OB



20.

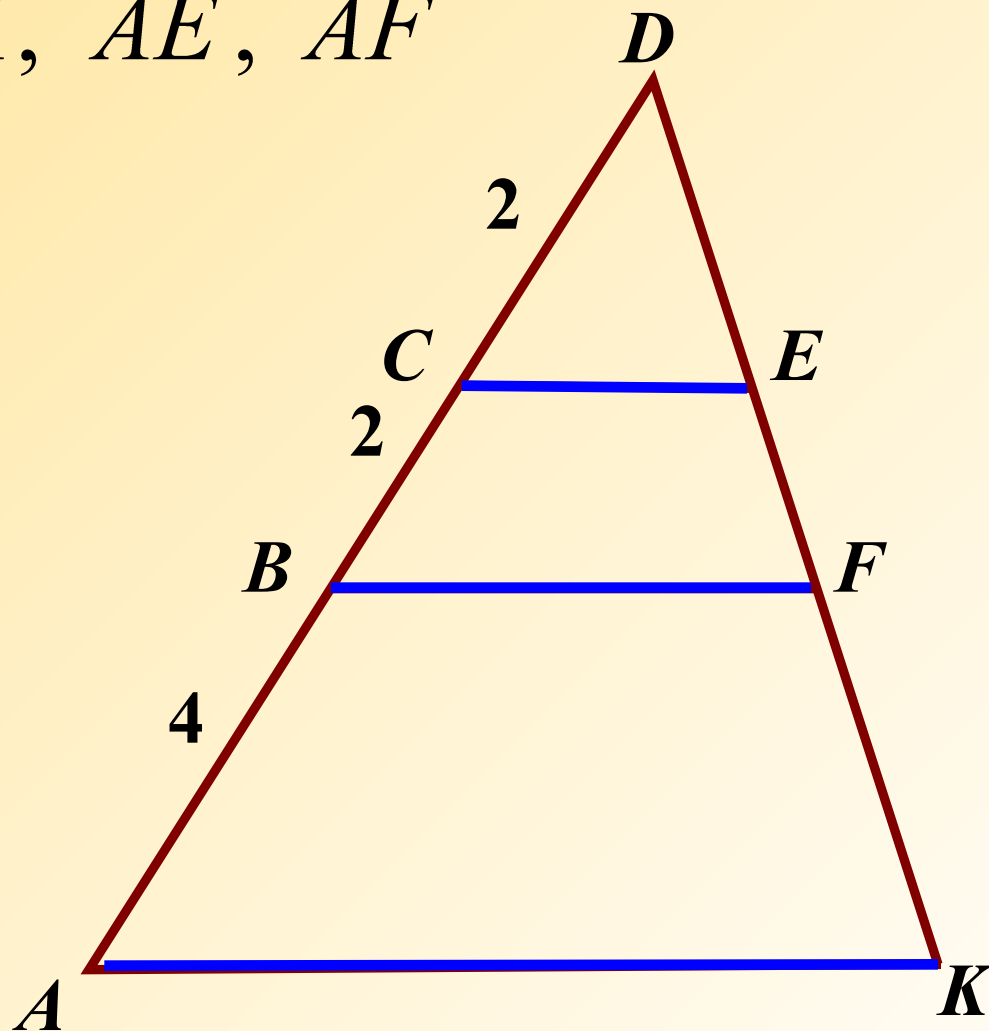
Дано:

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

$$CA + AF + AE = 21$$

Найти:

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



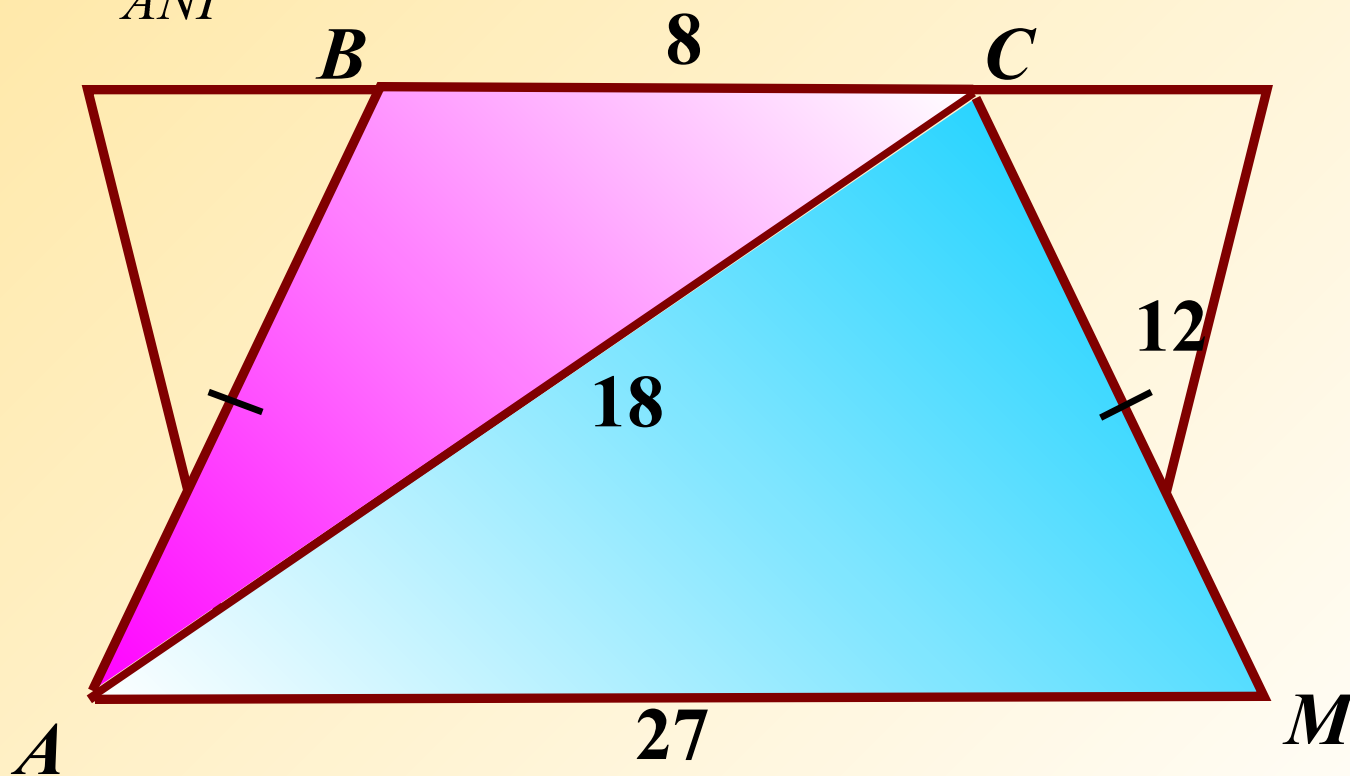
21.

Дано:

$ABCD$ – ромб

Найти:

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



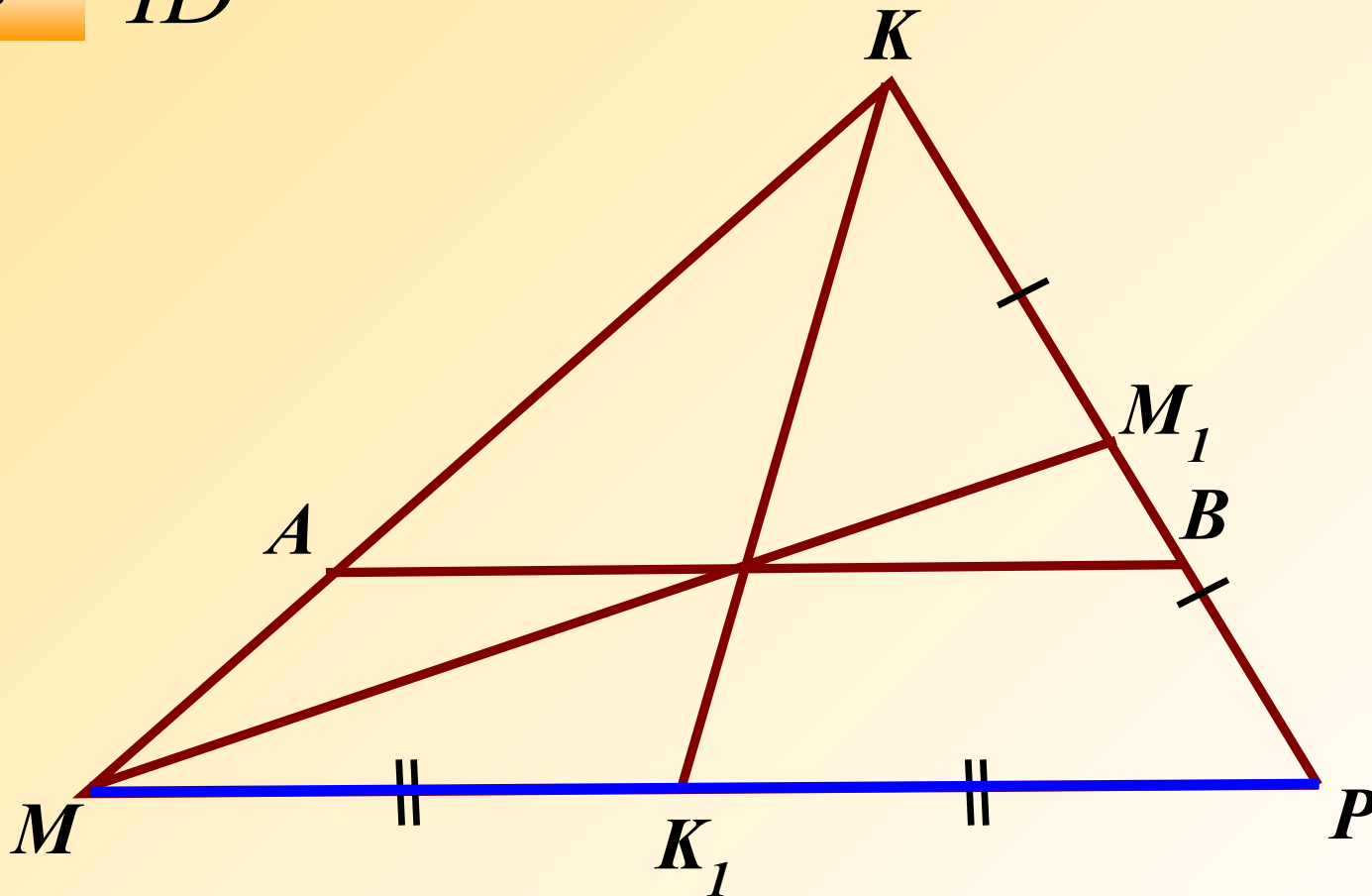
22.

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.

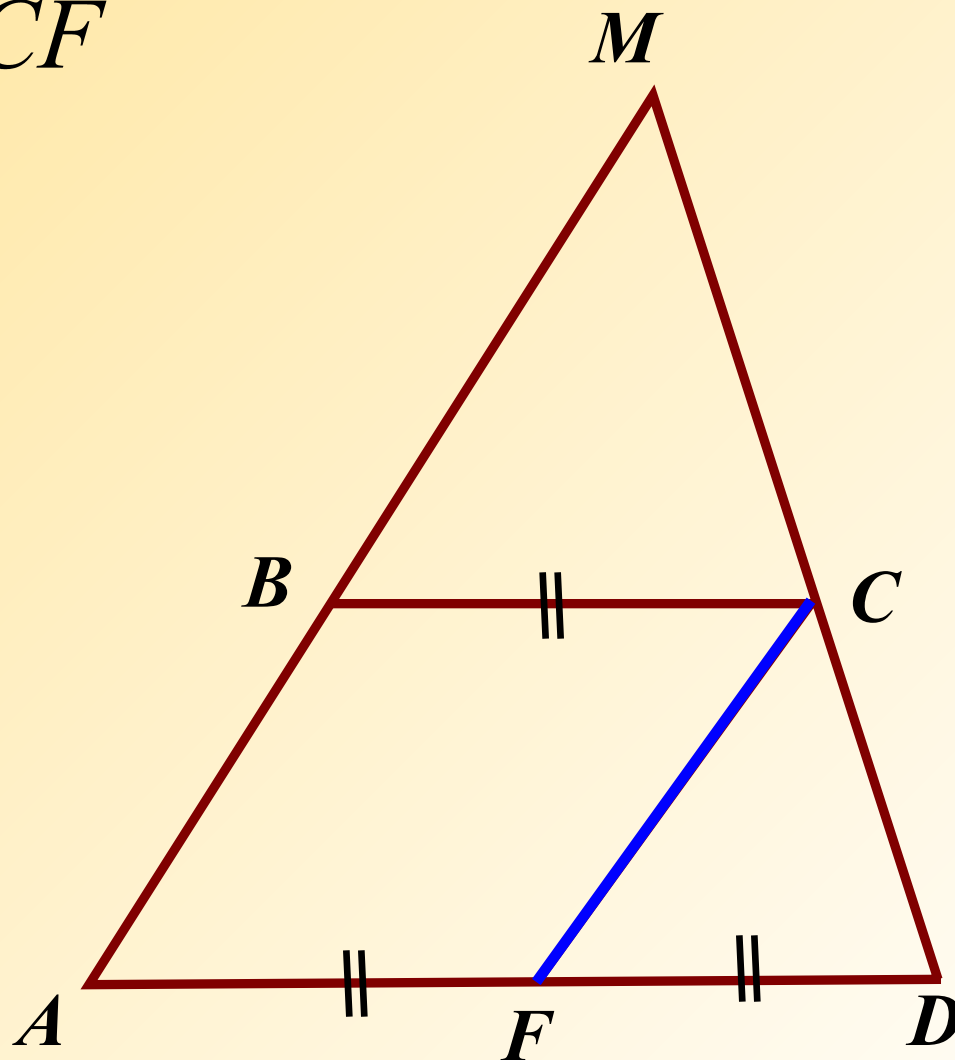
Дано:

$\triangle MND$ – $\triangle ABC$

$$AM = 10 \text{ см}$$

Найти:

CF



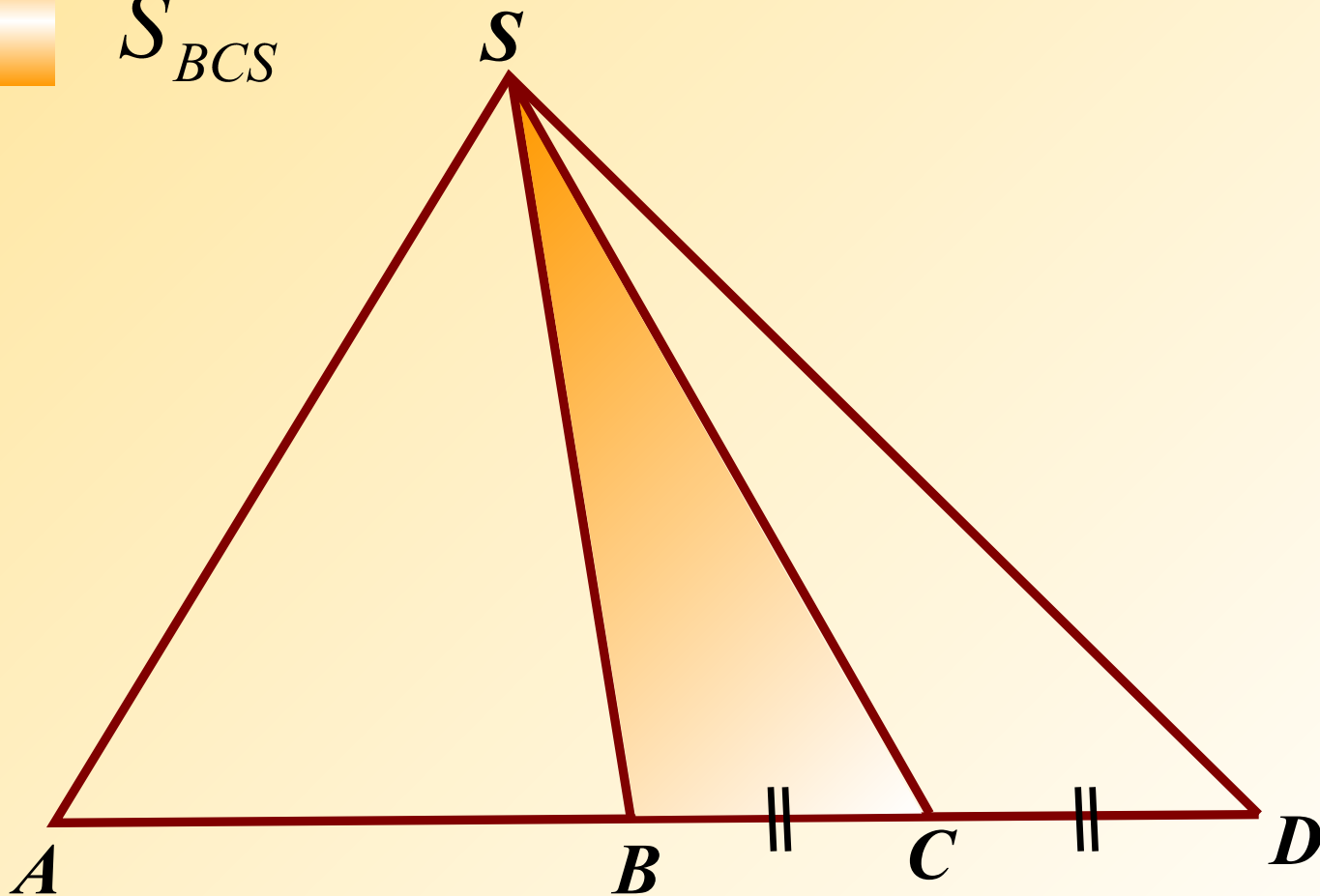
24.

Дано:

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

Найти:

$$S_{BCS}$$



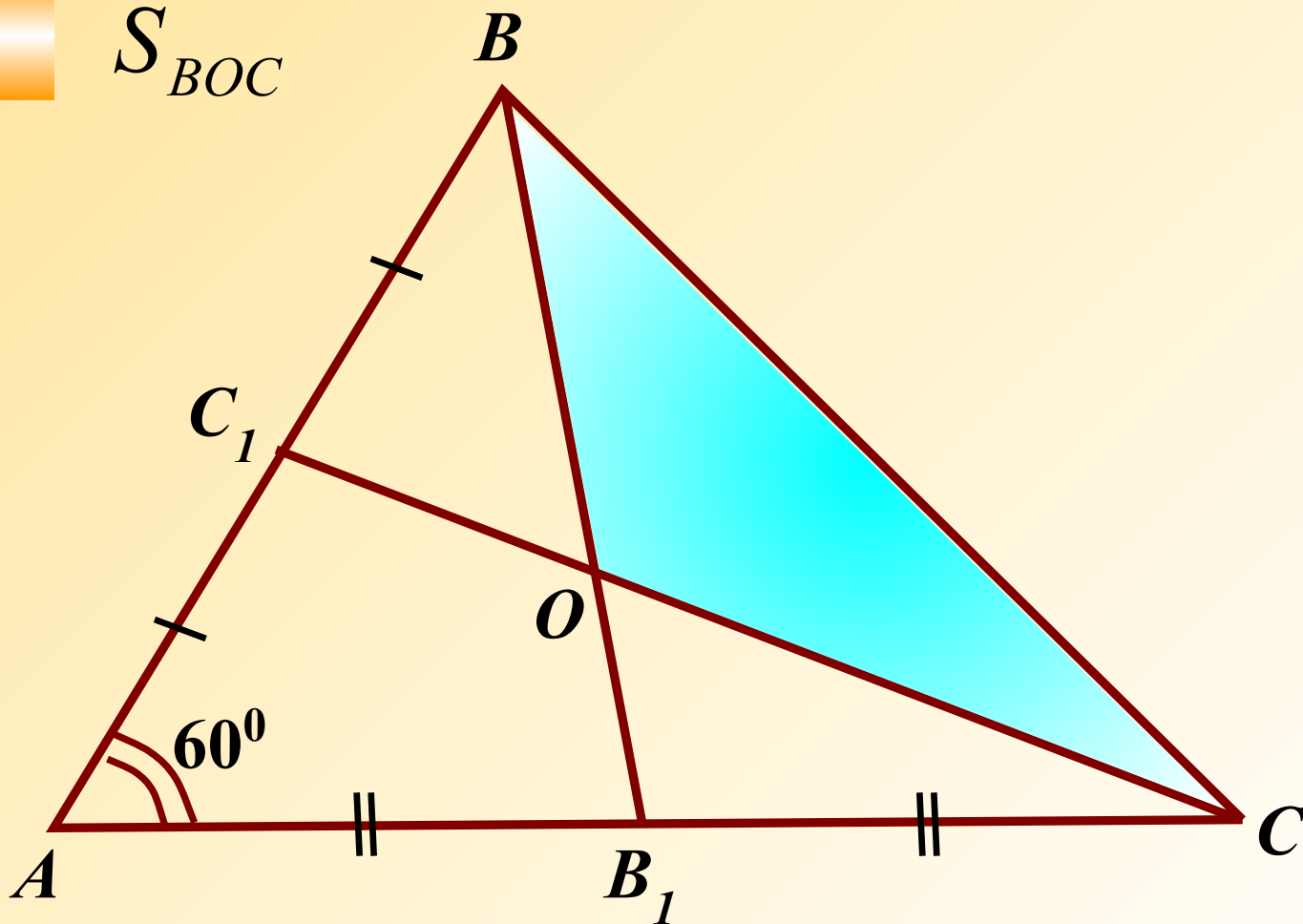
25.

Дано:

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

Найти:

S_{BOC}

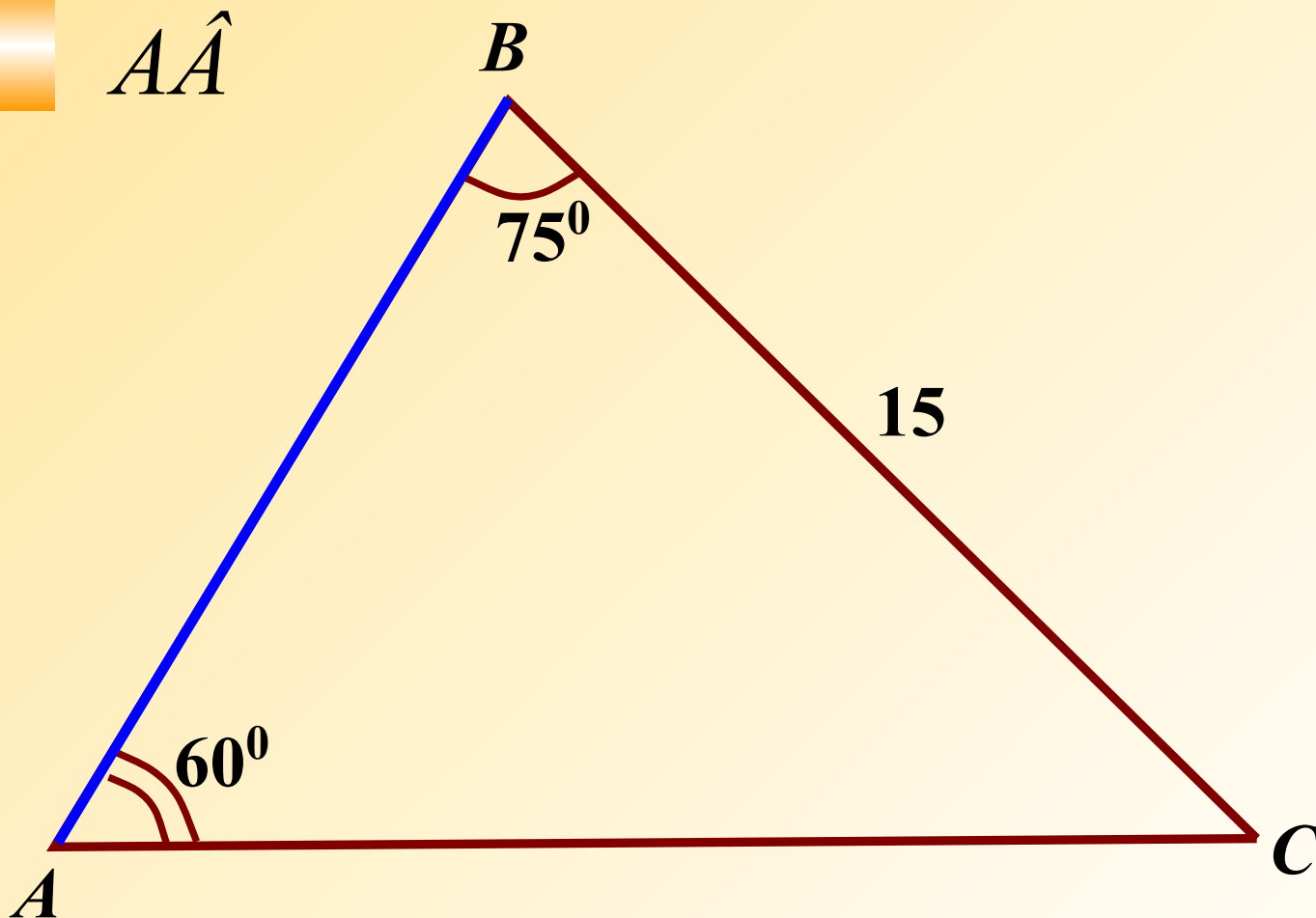


26.

Дано: $\triangle ABC$

Найти:

\hat{A}



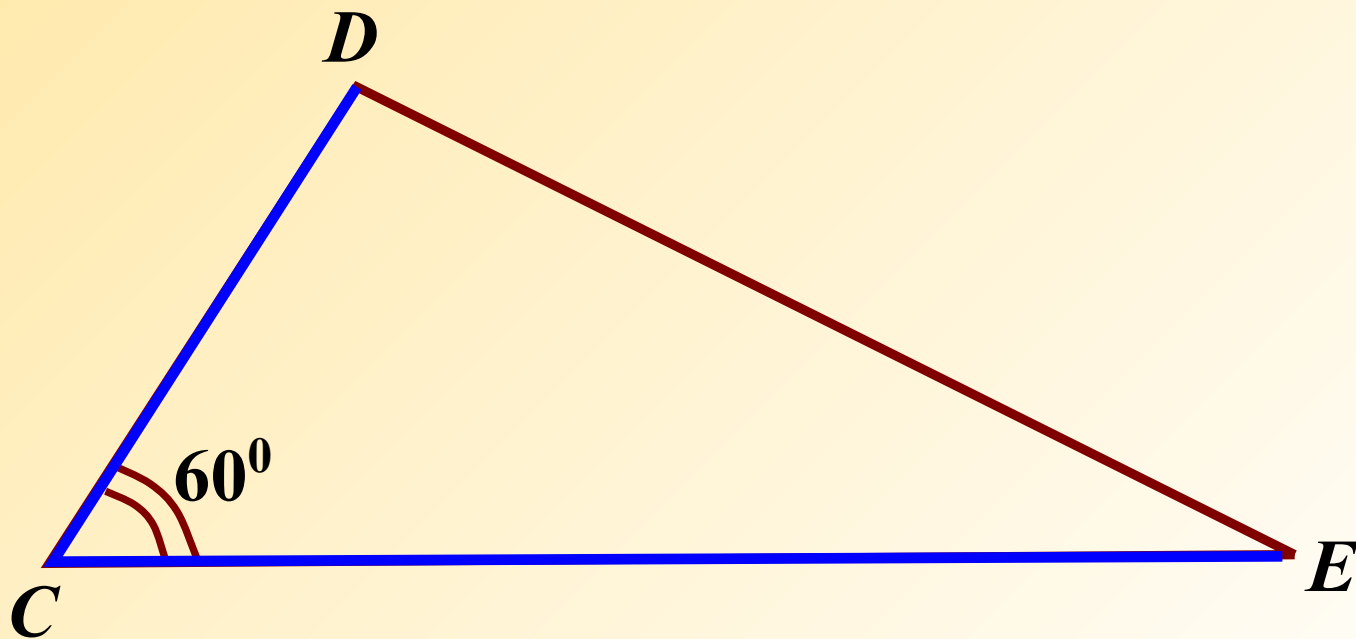
27.

Дано:

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

Найти:

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



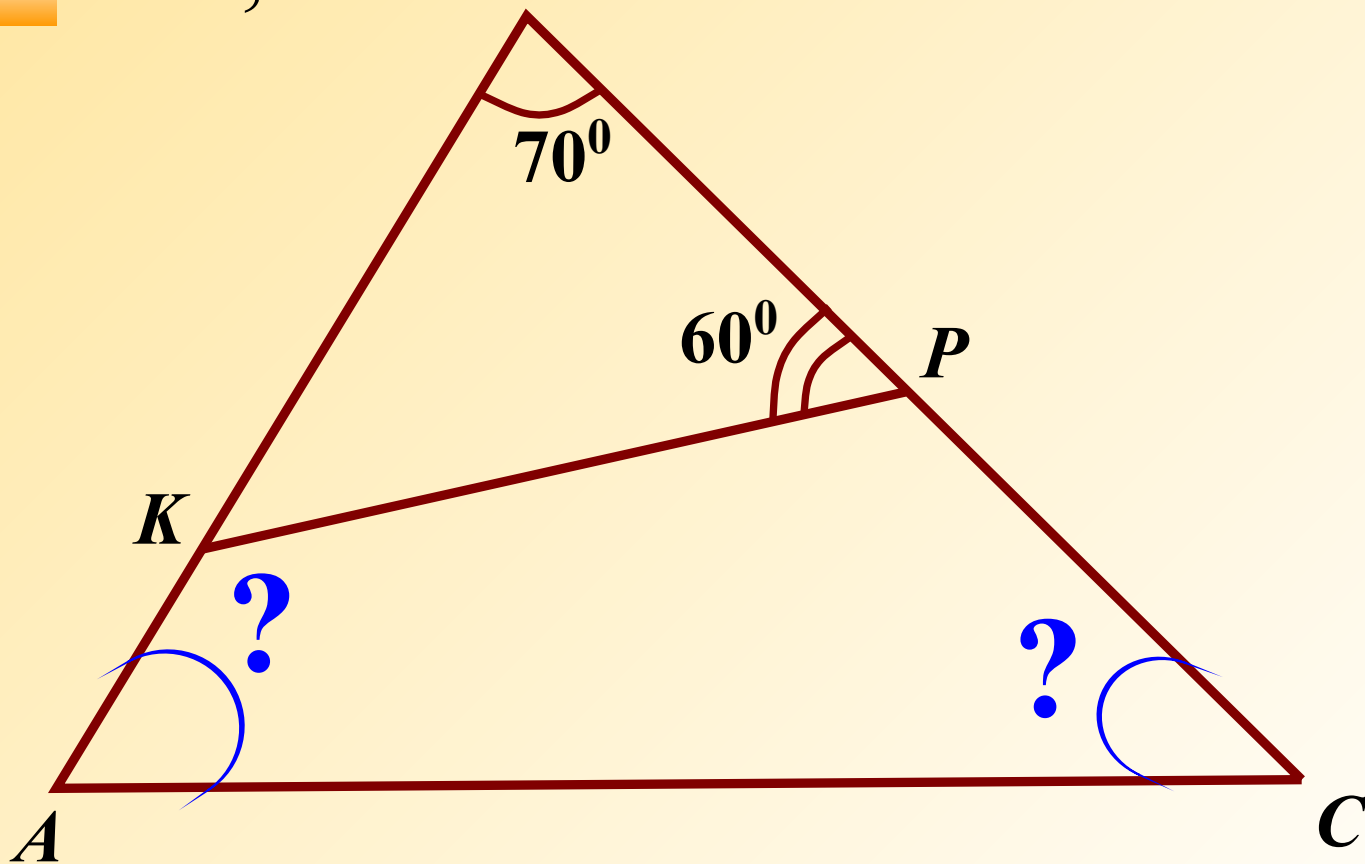
28.

Дано:

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

Найти:

$\angle A$, $\angle C$



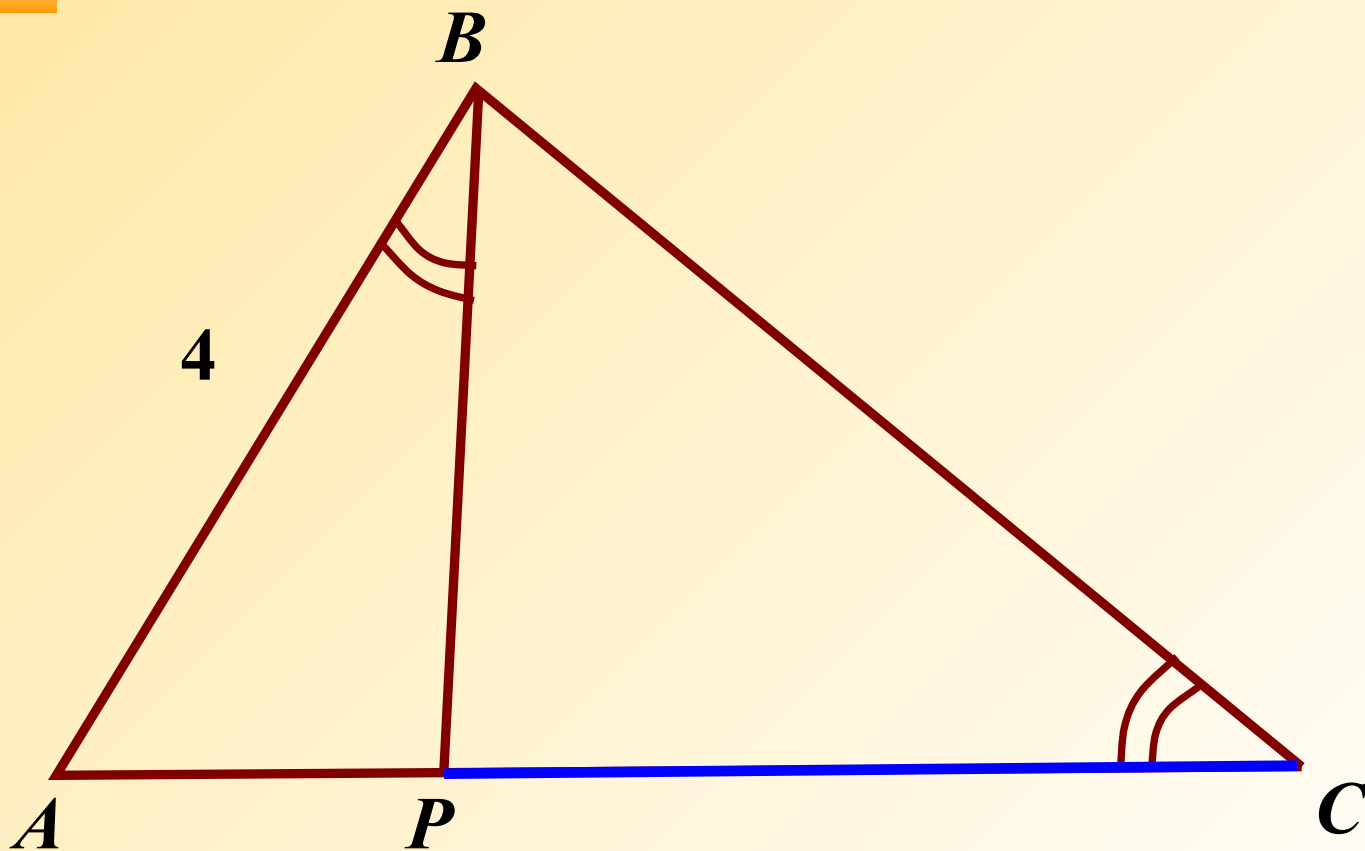
29.

Дано:

$\triangle ABC$, $AC = 8$

Найти:

PC



30.

Дано: $\triangle ABC$

Найти: OC

