

*Решение задач  
на готовых чертежах.*

*Итоговое повторение.*

*Часть 1.*

*Параллельные прямые.*

*Треугольники.*

*Геометрия.*

*9 класс.*

*Каратанова Марина Николаевна*

*МОУ СОШ №256 г.Фокино*



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2.

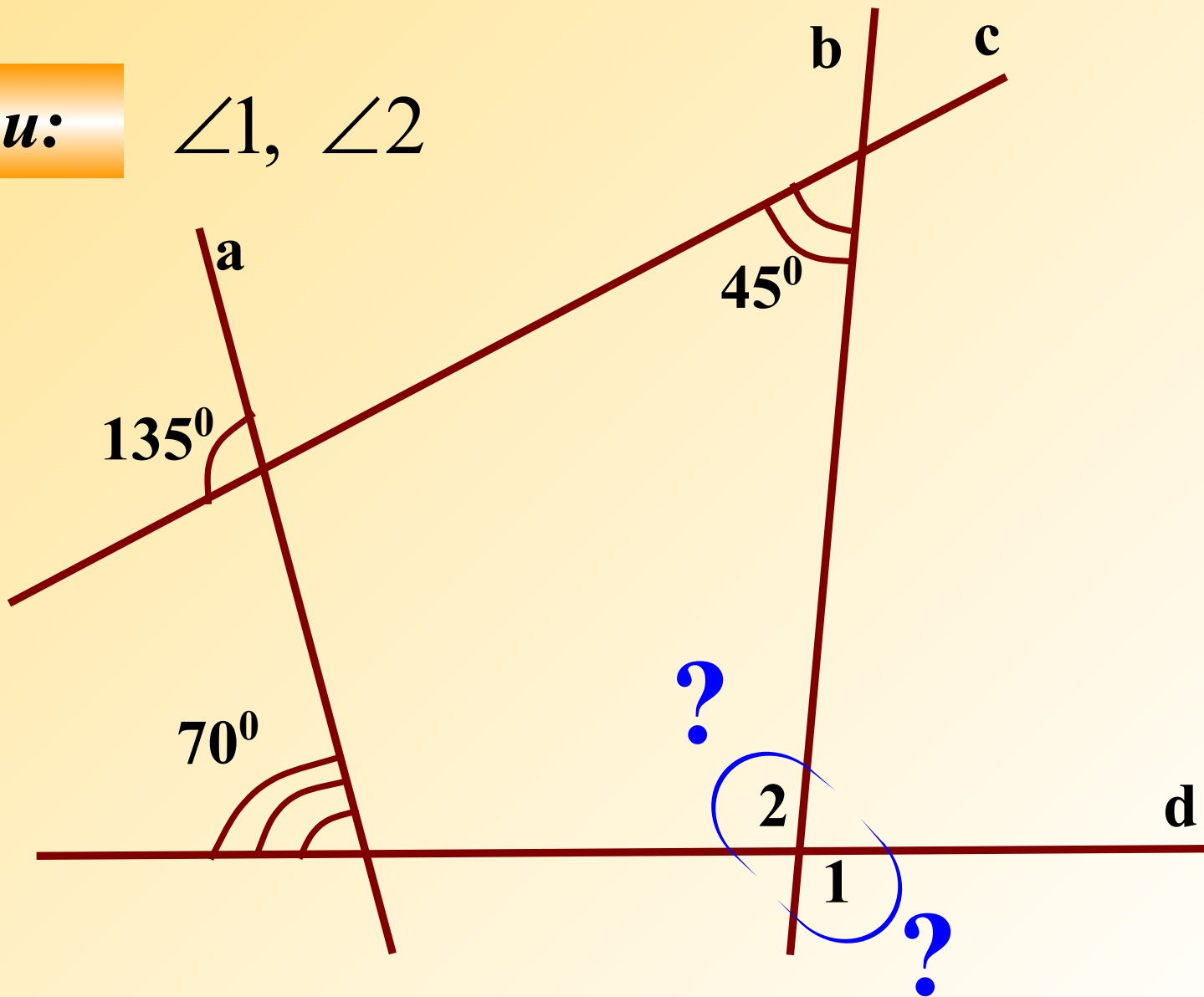
*Дано:*

*їđÿìûâ*

*à, b, ñ è d*

*Найти:*

$\angle 1, \angle 2$

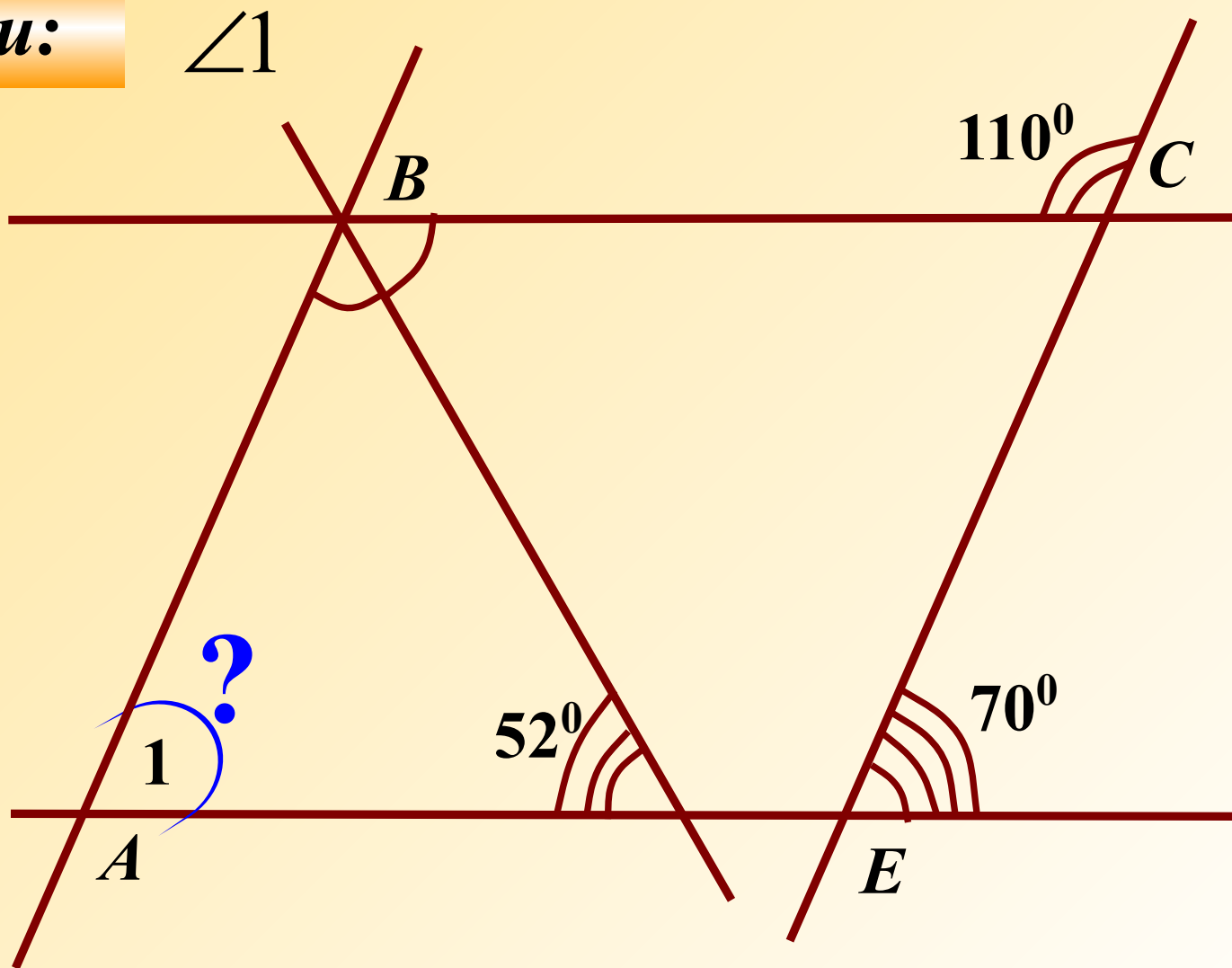


3.

Дано:

$BD$  – аєññâêòðèñ à  $\angle A\hat{A}N$

Найти:

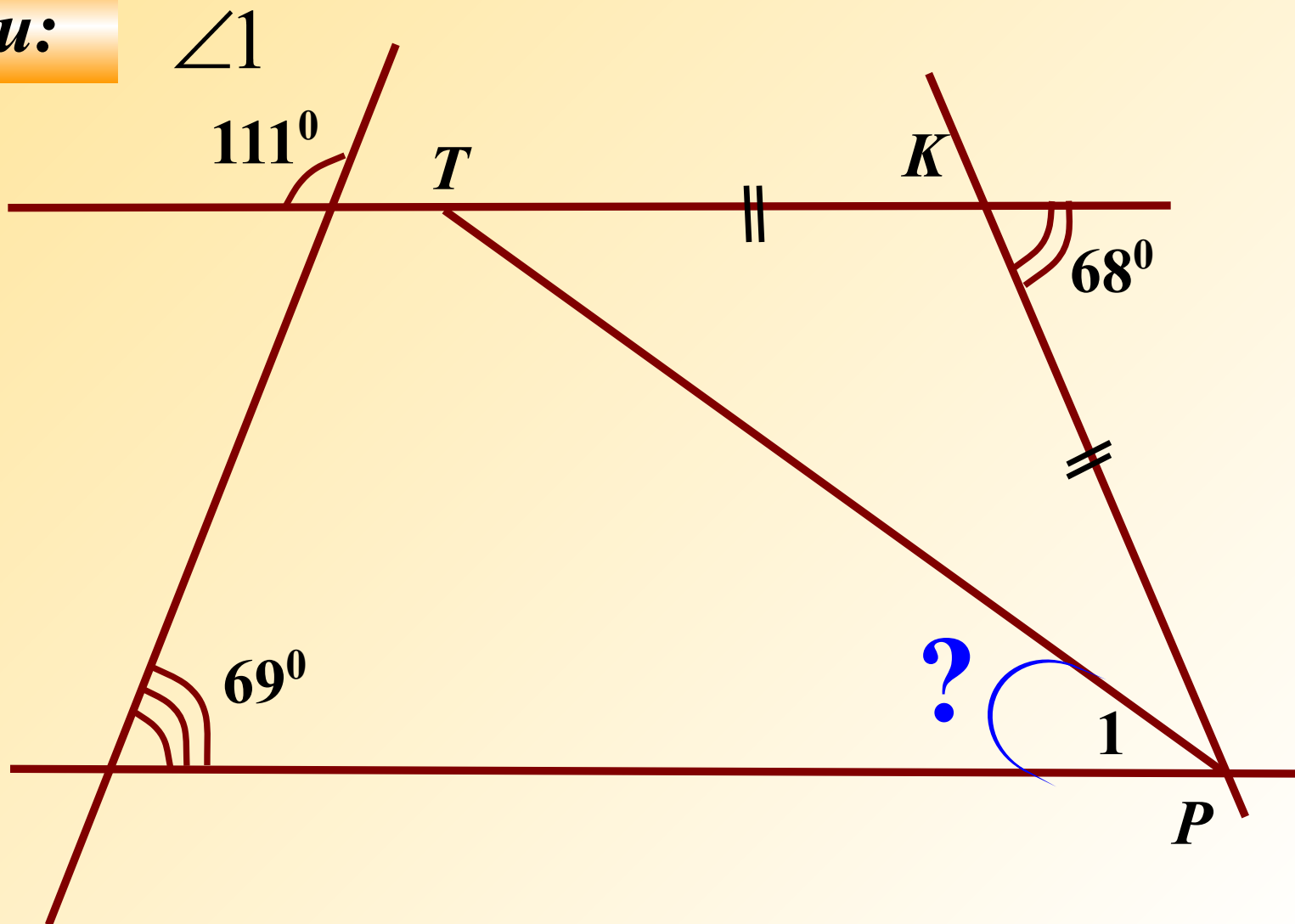


4.

*Дано:*

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

*Найти:*



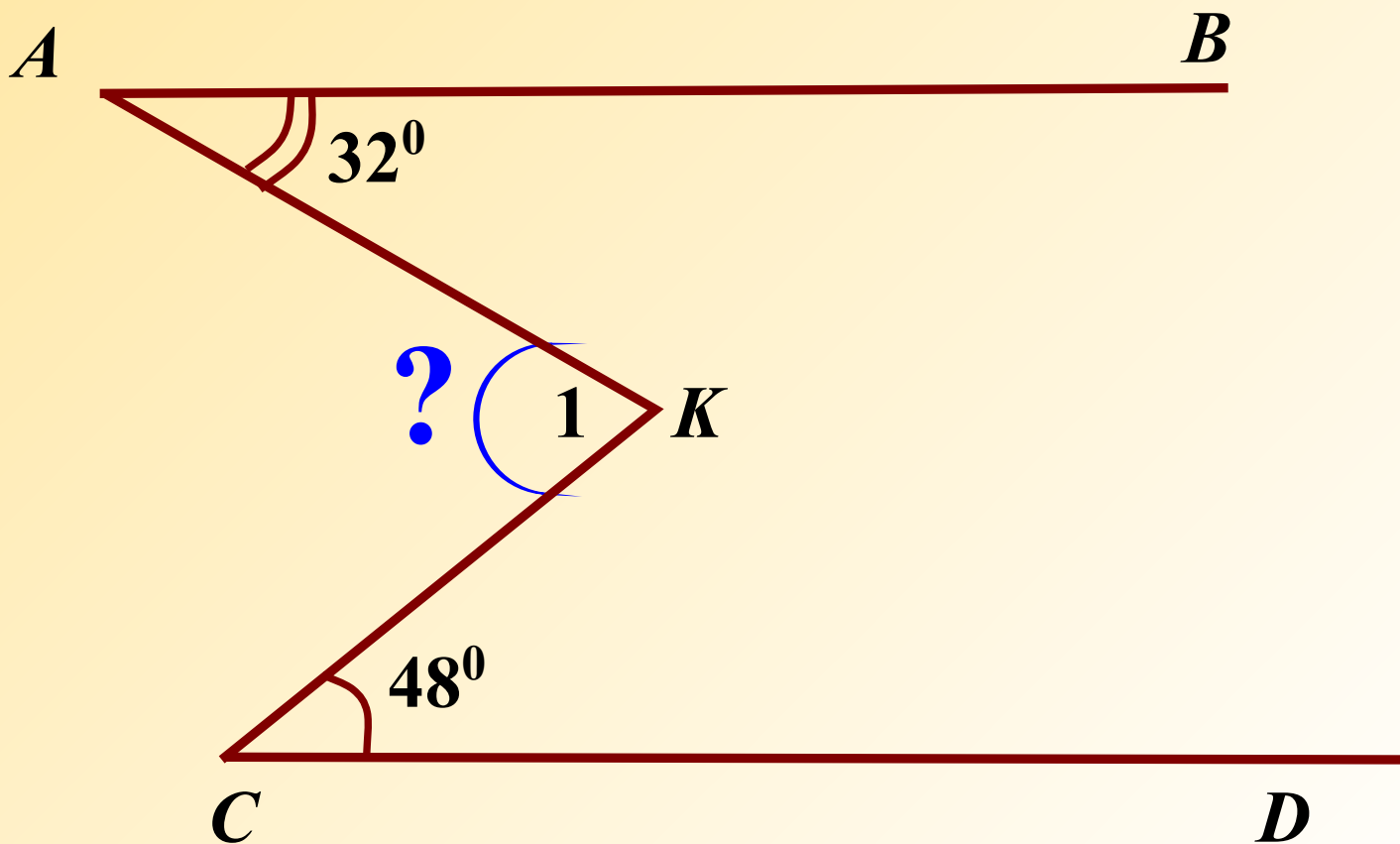
5.

Дано:

$AB \parallel CD$

Найти:

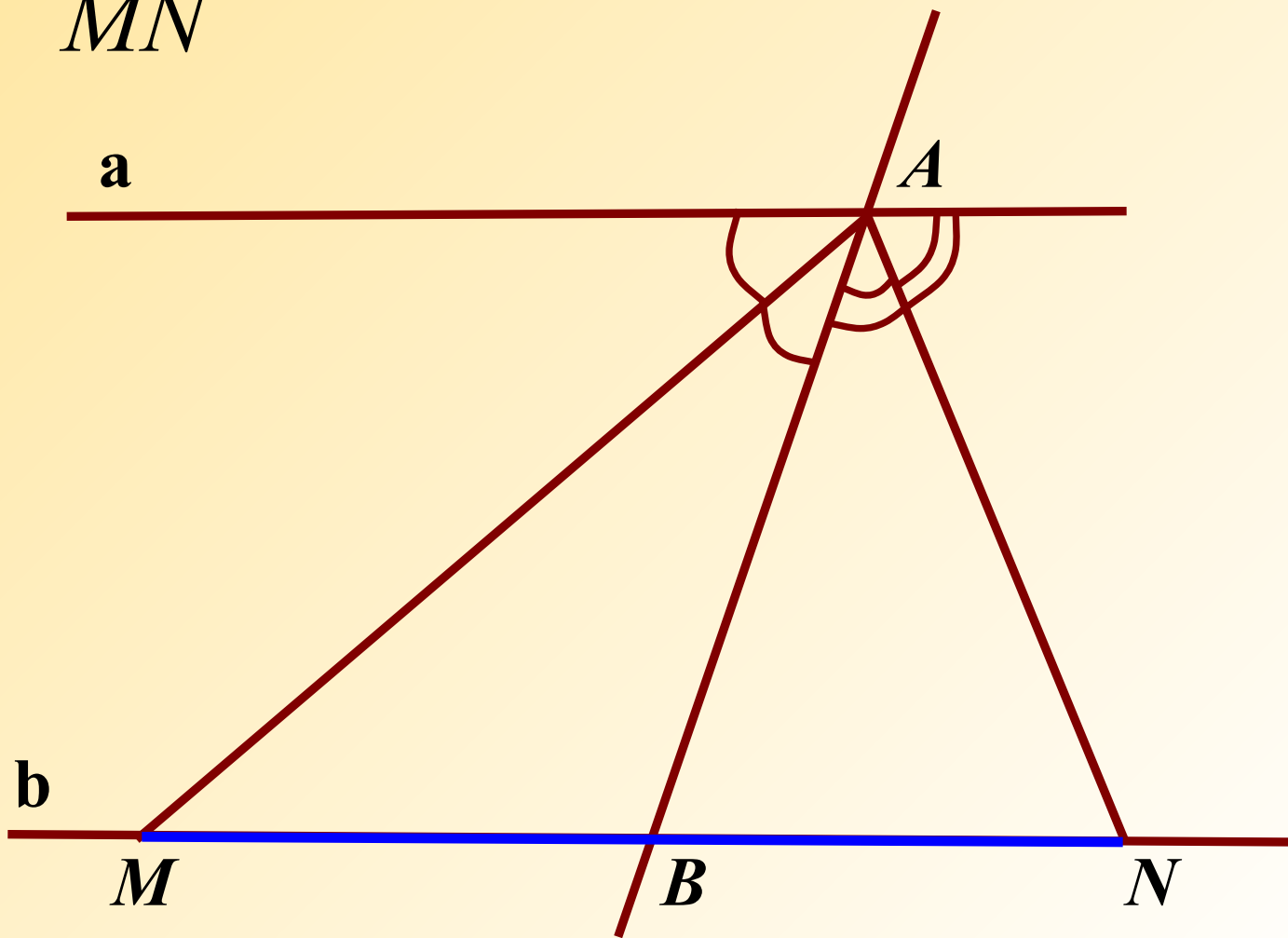
$\angle 1$



6.

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

**Найти:**  $MN$

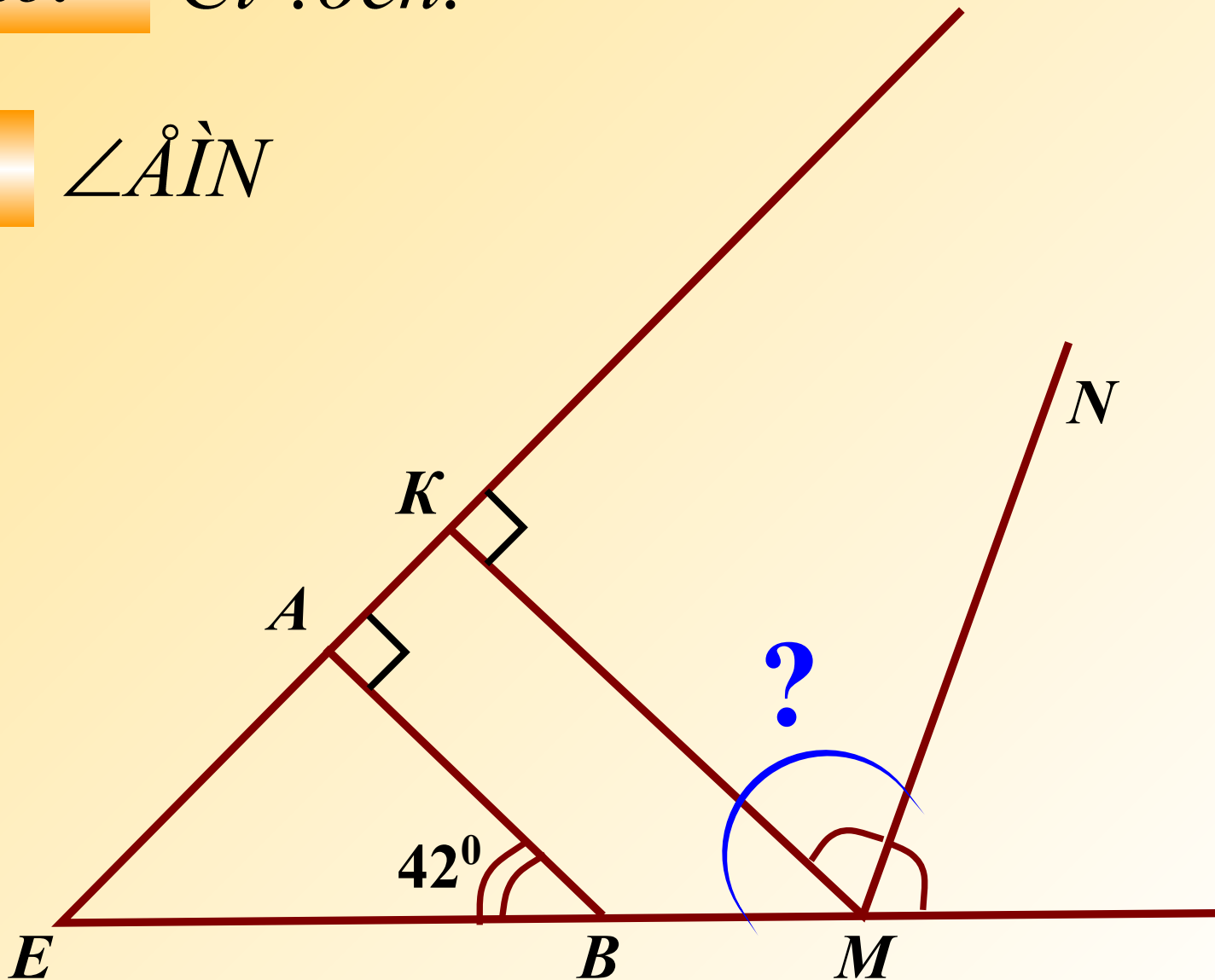




7.

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

Найти:  $\angle A\grave{I}N$



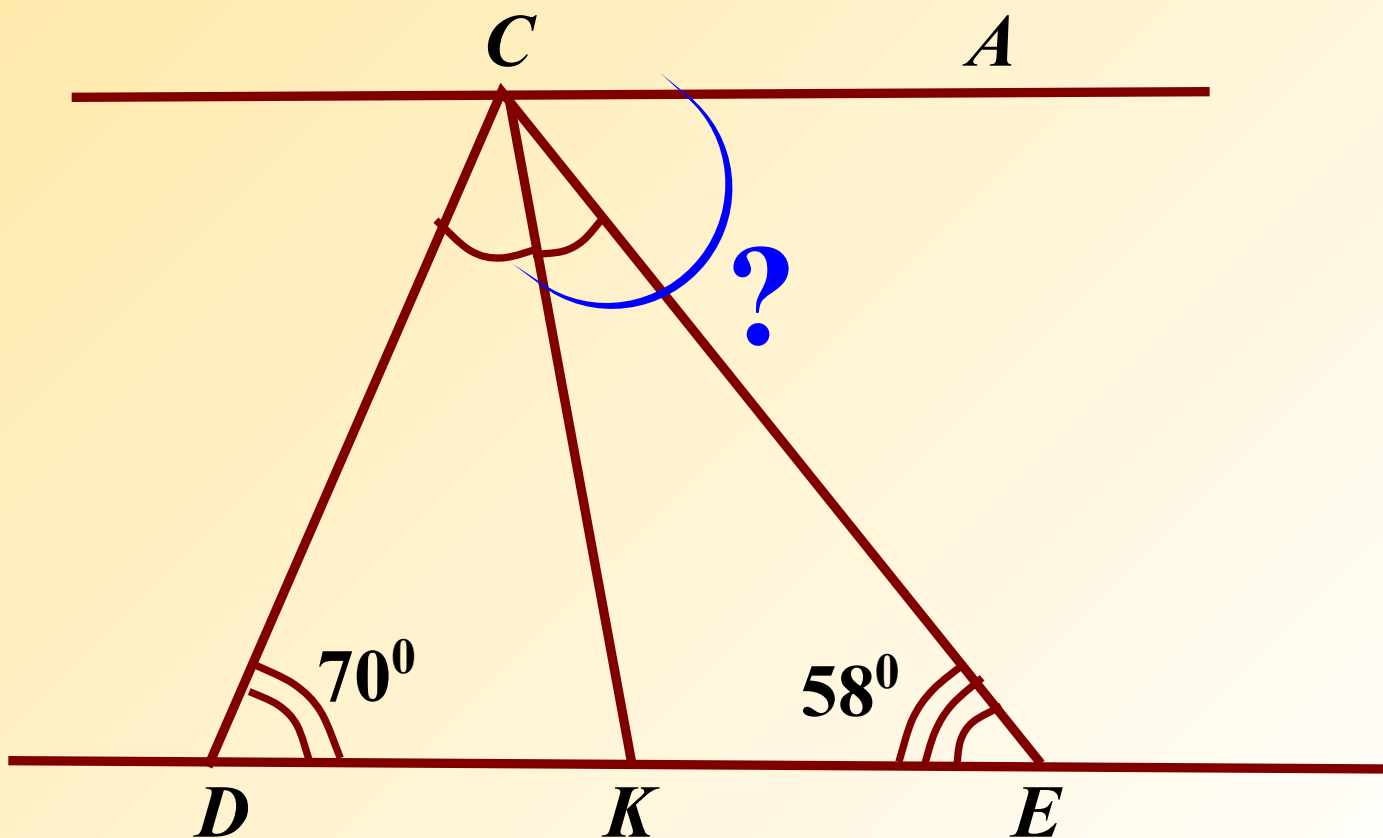
8.

*Дано:*

$AN \parallel DE$

*Найти:*

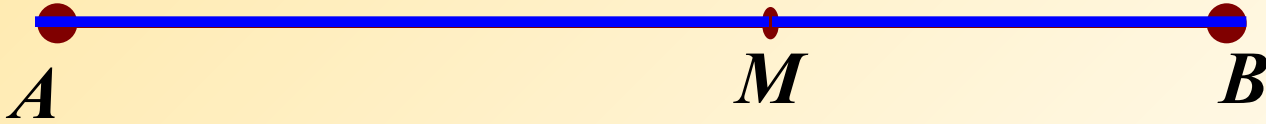
$\angle ANE$



9.

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

**Найти:**  $AI$ ,  $IB$



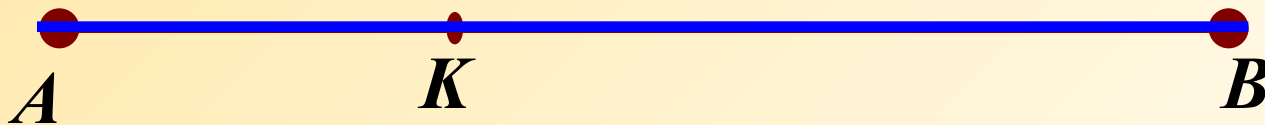
10.

*Дано:*

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

*Найти:*

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



11.

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

*Найти:*  $\tilde{ND}$



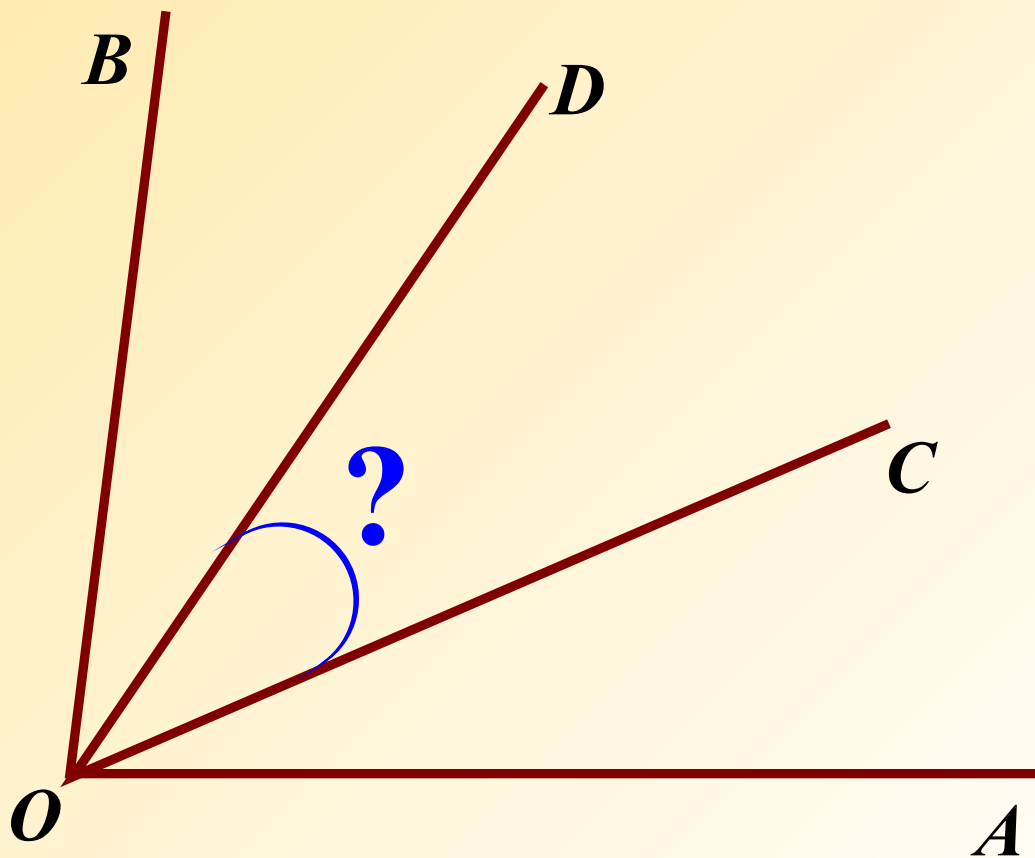
12.

*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:*

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

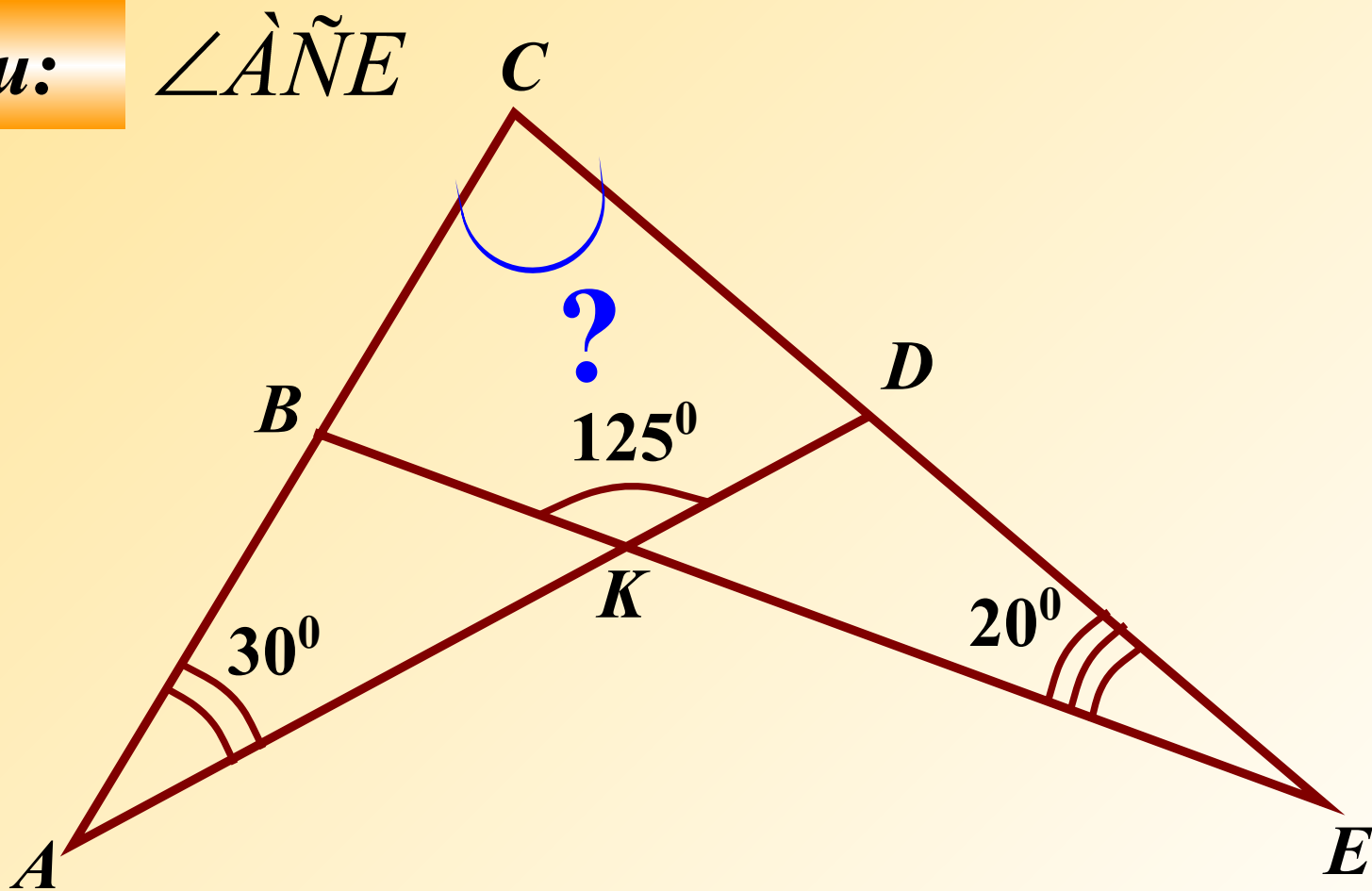


13.

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

Найти:

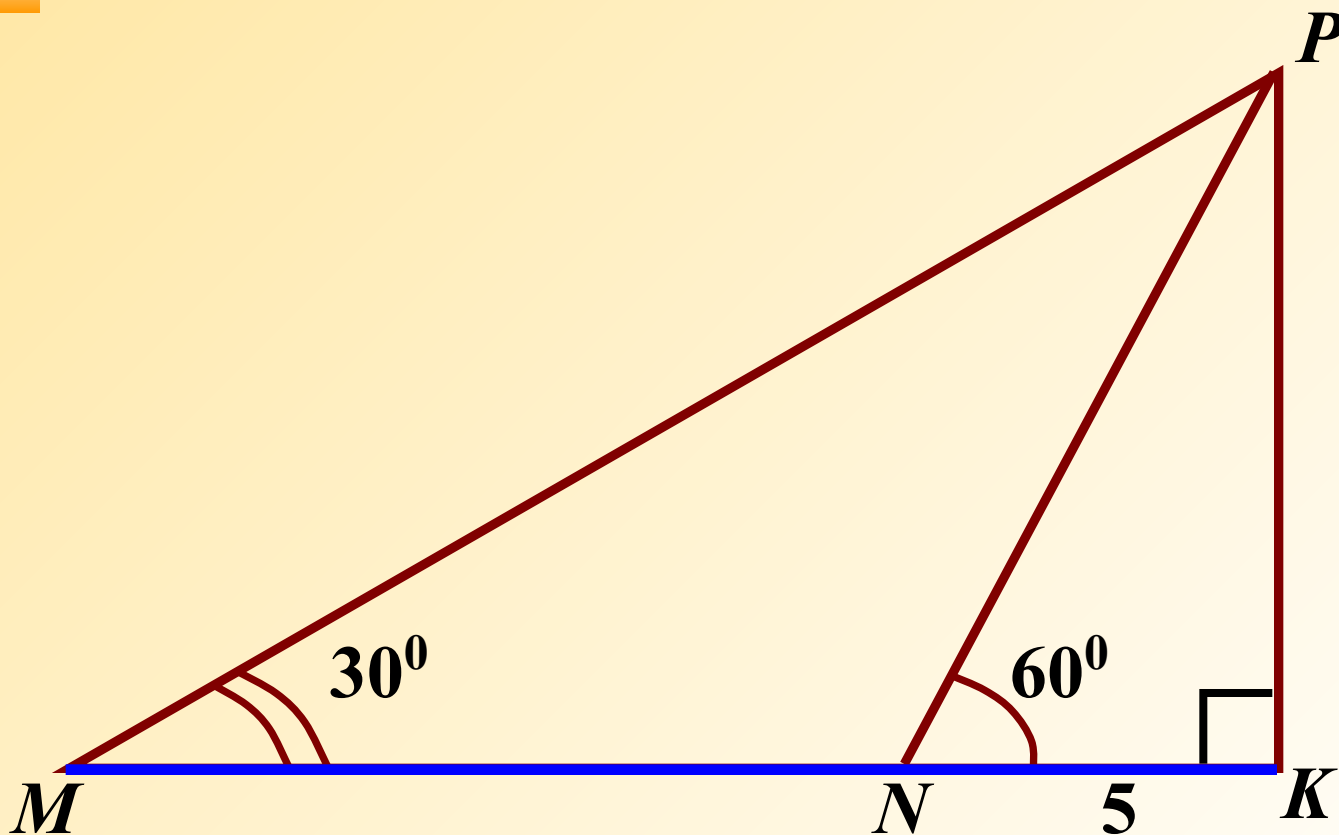
$\angle A\tilde{N}E$



14.

Дано:  $\triangle MPK$

Найти:  $M\hat{E}$





15.

*Дано:*

$\triangle ABC$

*Найти:*

$\hat{A}$

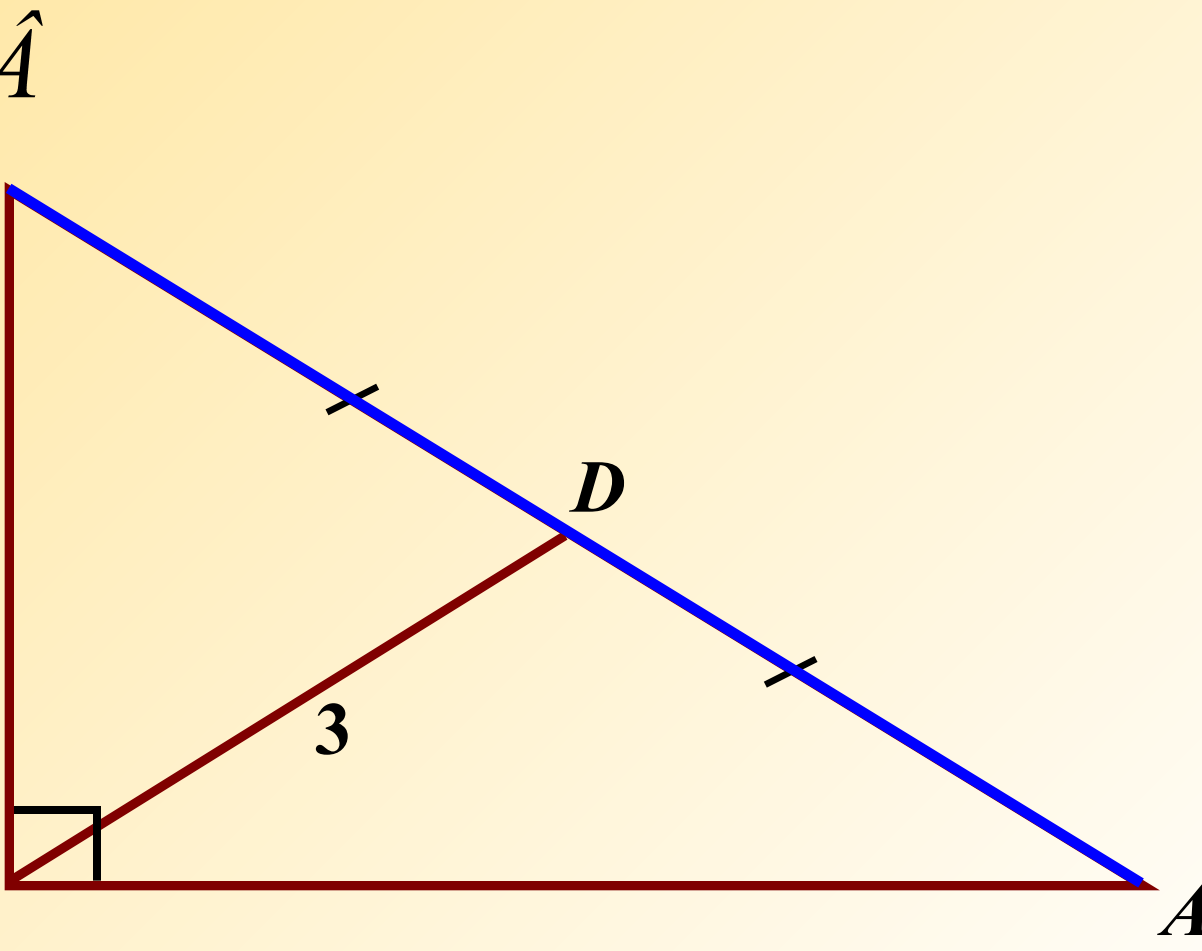
$B$

$D$

3

$C$

$A$



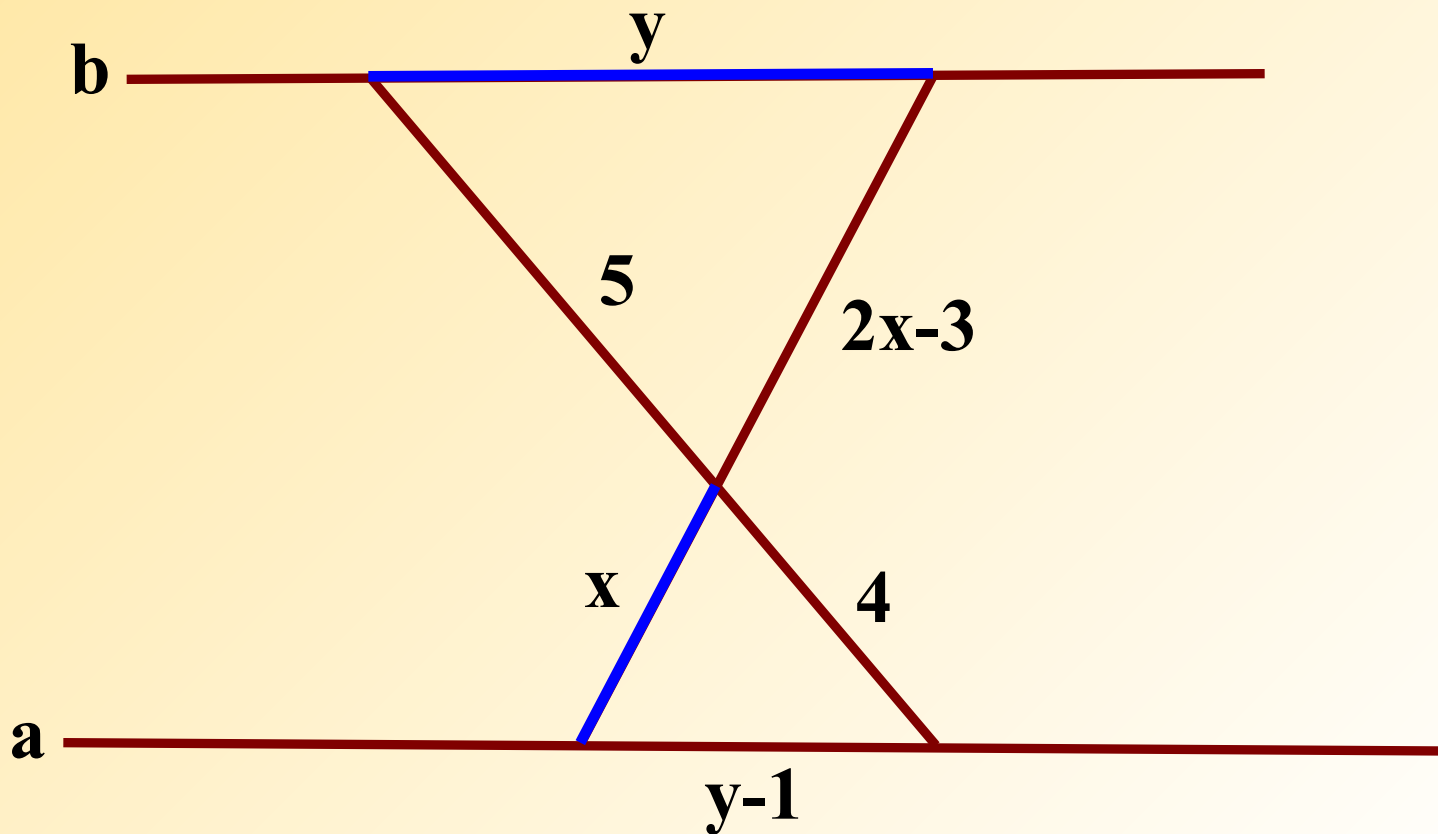
16.

*Дано:*

$a \parallel b$

*Найти:*

$x, y$



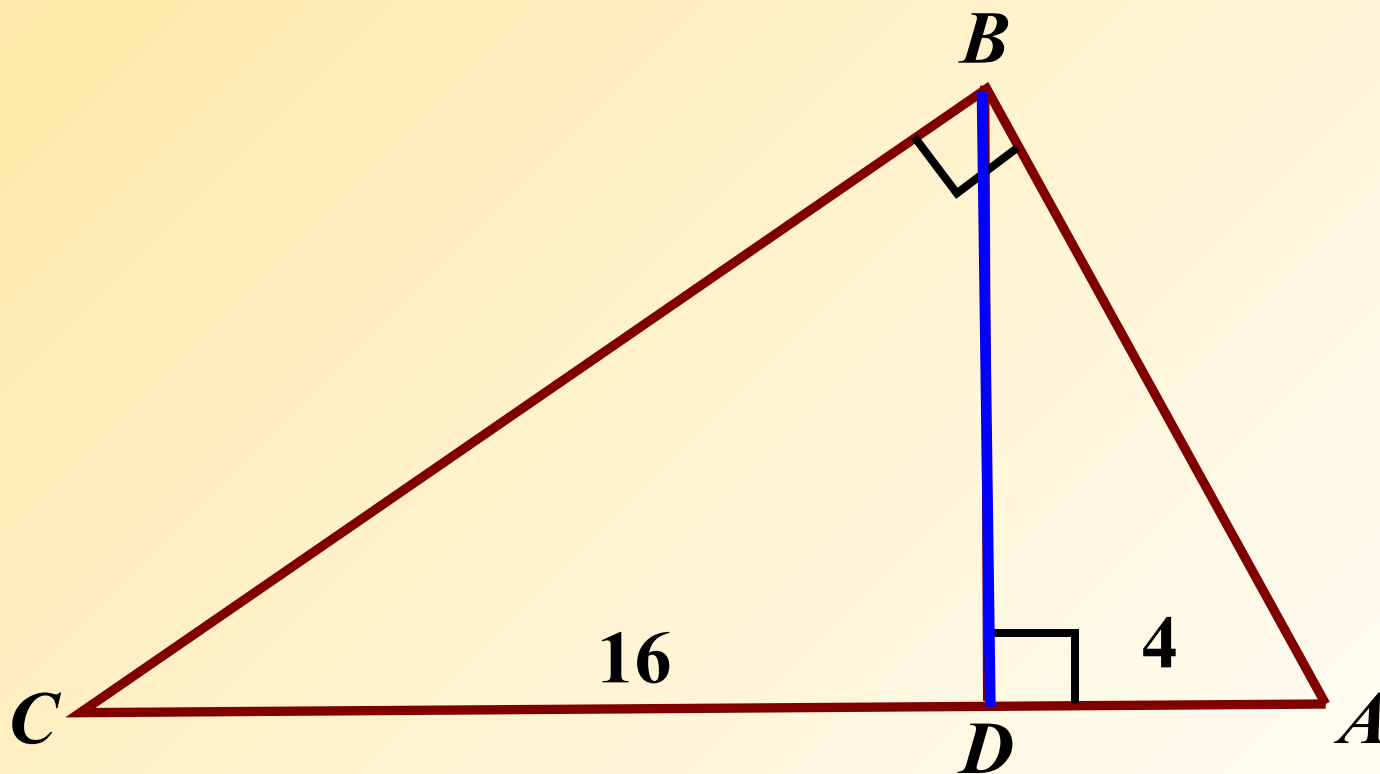
17.

*Дано:*

$\triangle ABC$

*Найти:*

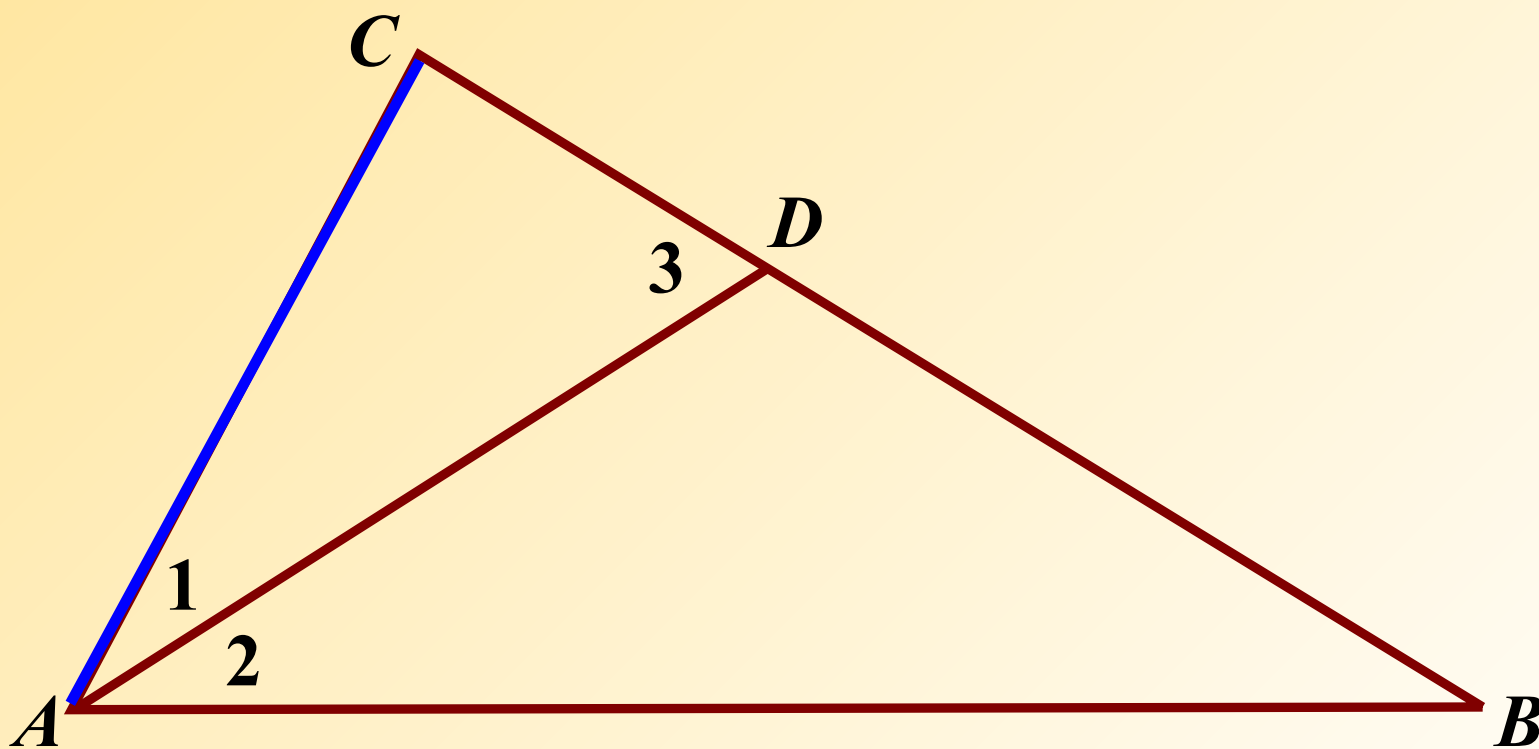
$\hat{A}D$



18.

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

**Найти:**  $A\tilde{N}$



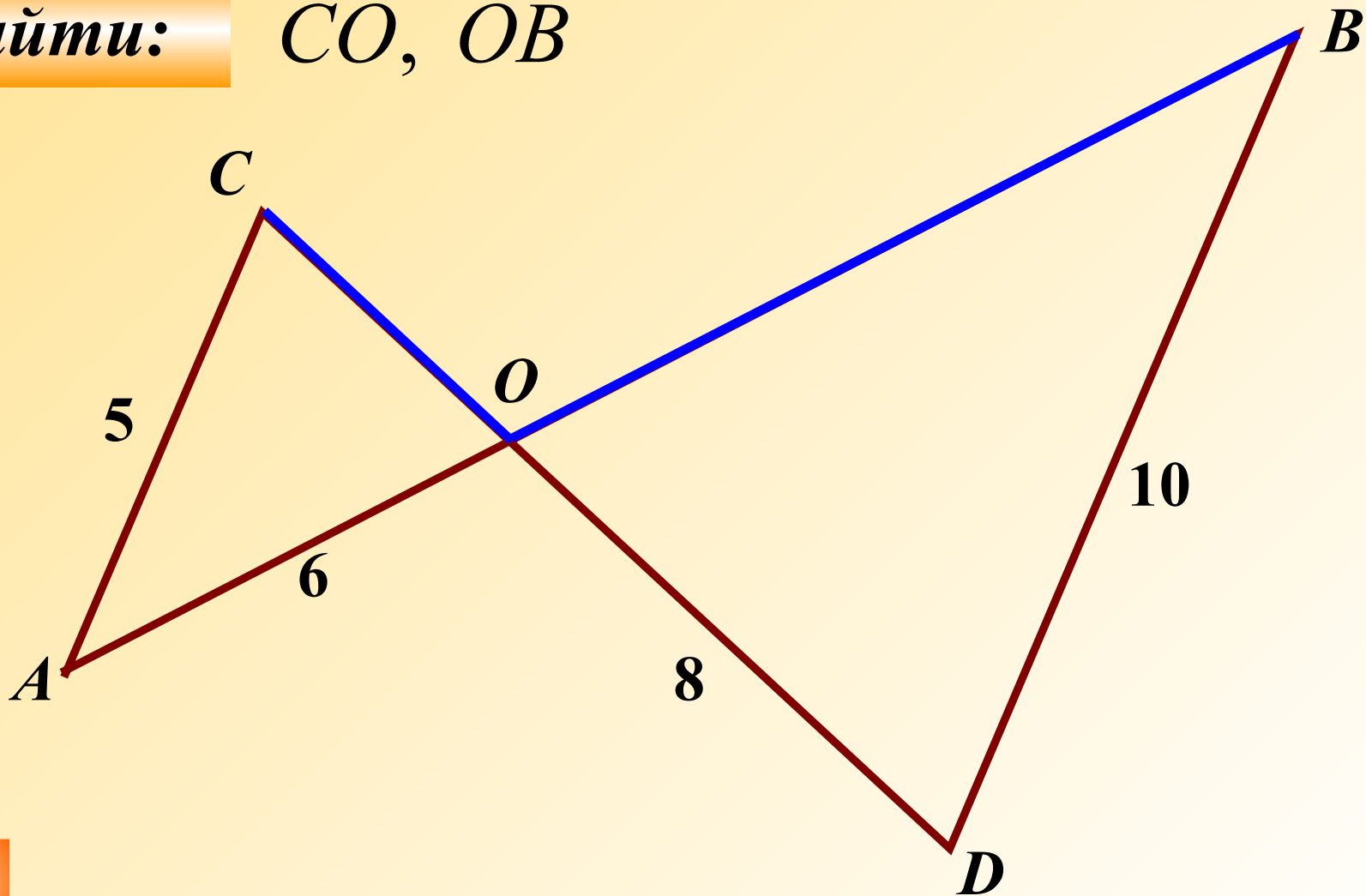
19.

*Дано:*

$AC \parallel BD$

*Найти:*

$CO, OB$



20.

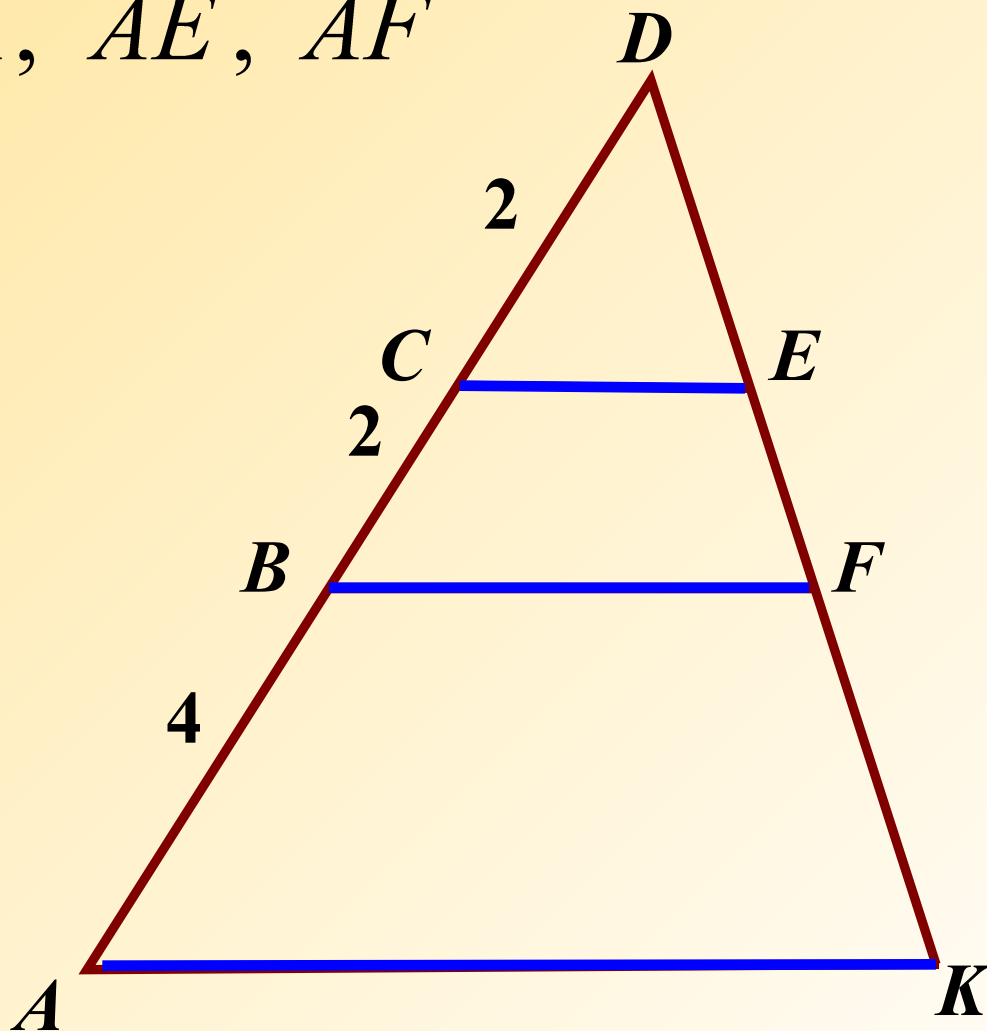
*Дано:*

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

$$CA + AF + AE = 21$$

*Найти:*

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



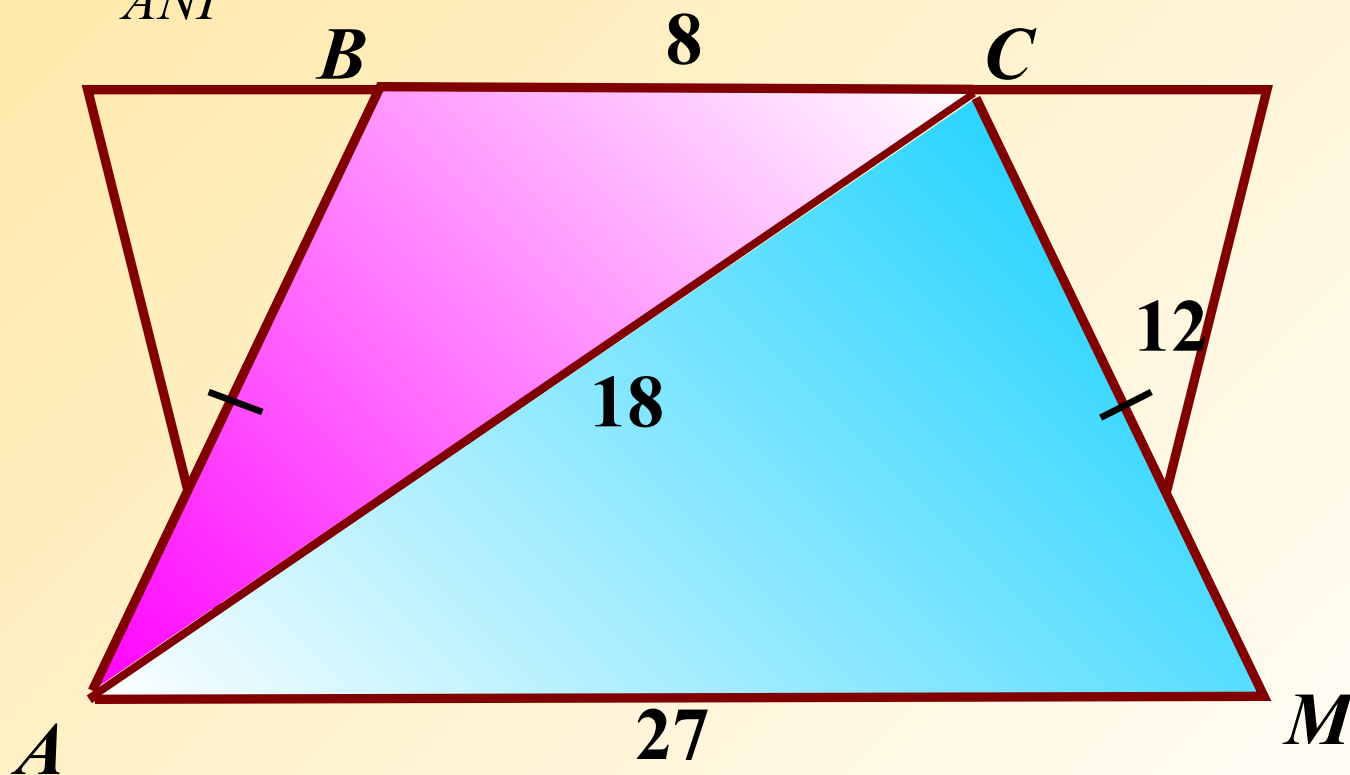
21.

Дано:

$ABCD$  – ромб

Найти:

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



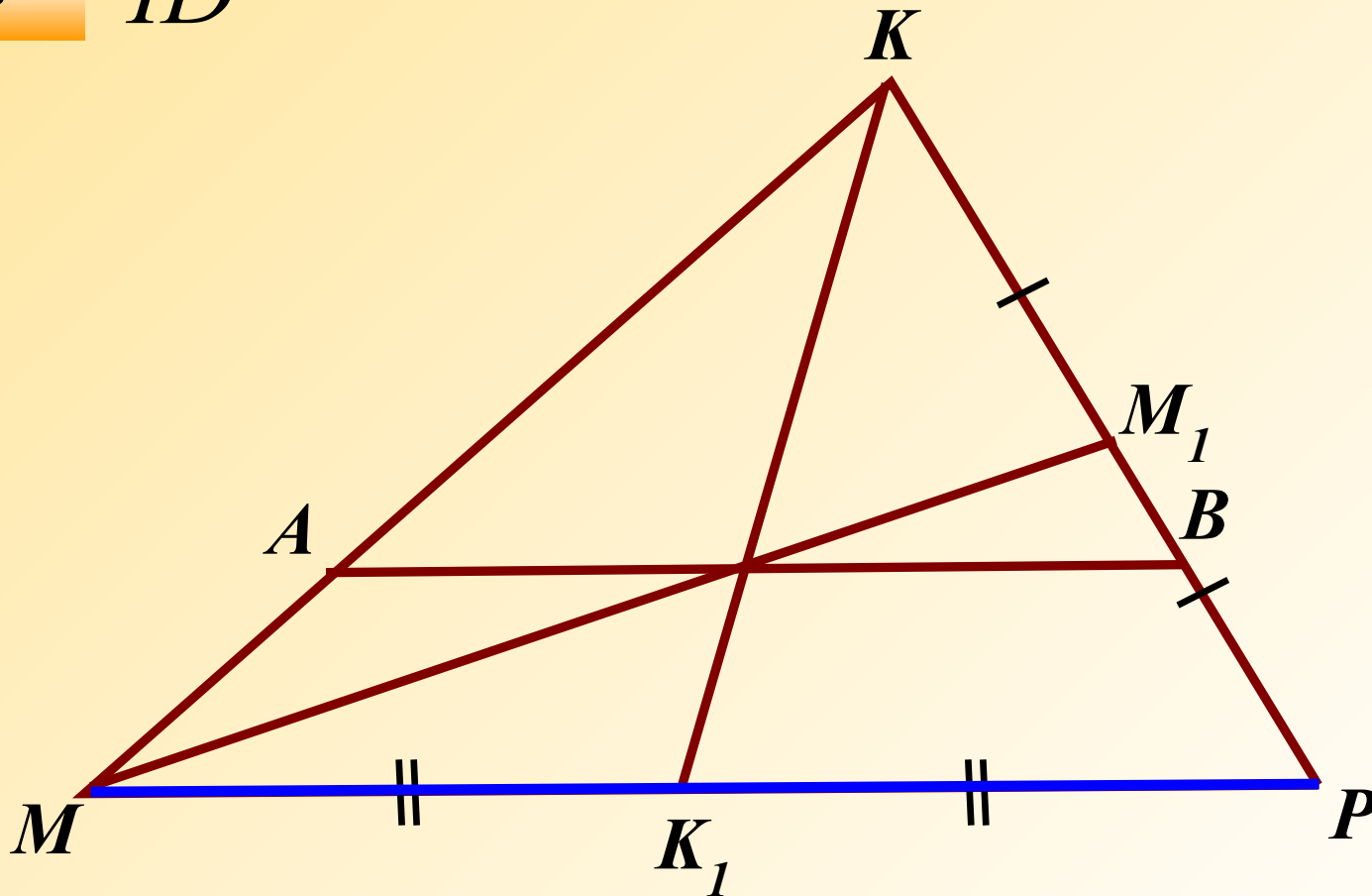
22.

Дано:

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

$$\hat{E} \hat{I}_1 = \hat{I}_1 \hat{D}, \hat{A} \hat{A} = 18$$

Найти:

 $\hat{I} \hat{D}$ 



23.

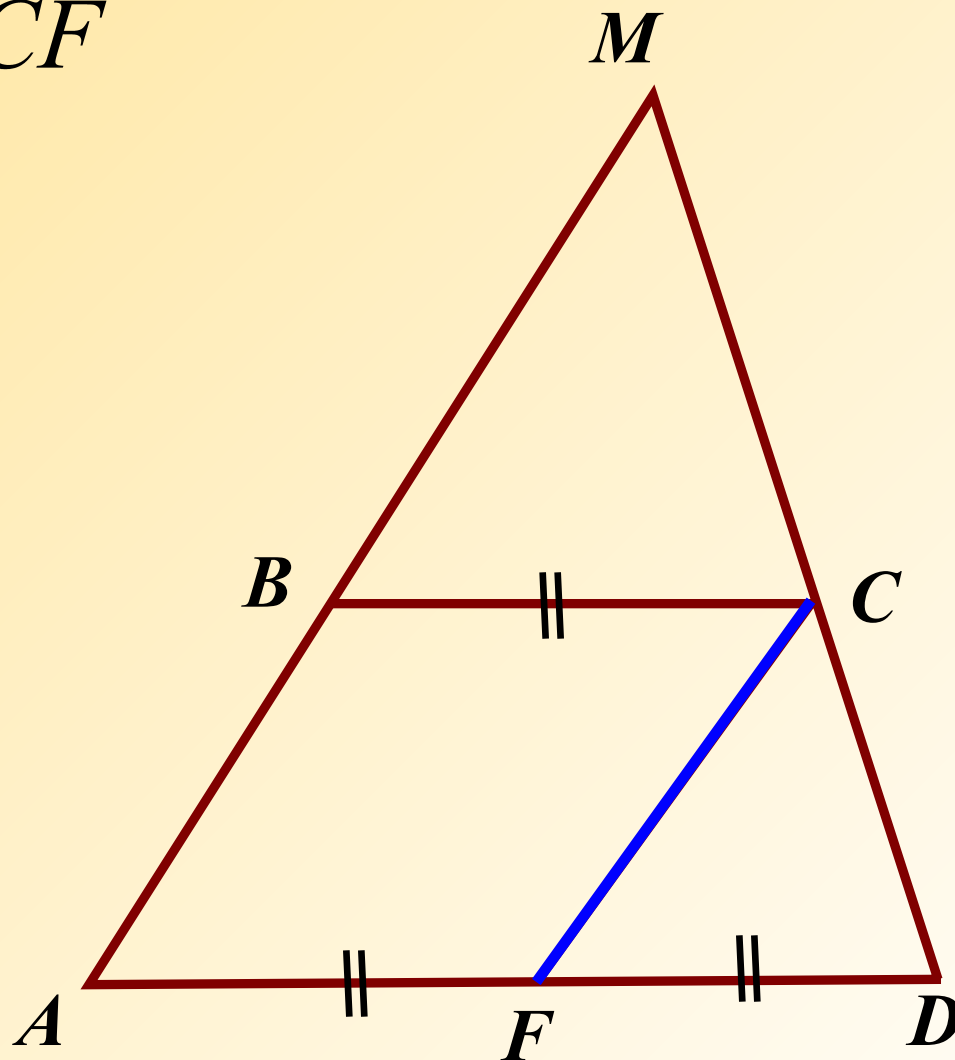
Дано:

$\triangle MND$  –  $\triangle ABC$

$$AM = 10 \text{ см}$$

Найти:

$CF$



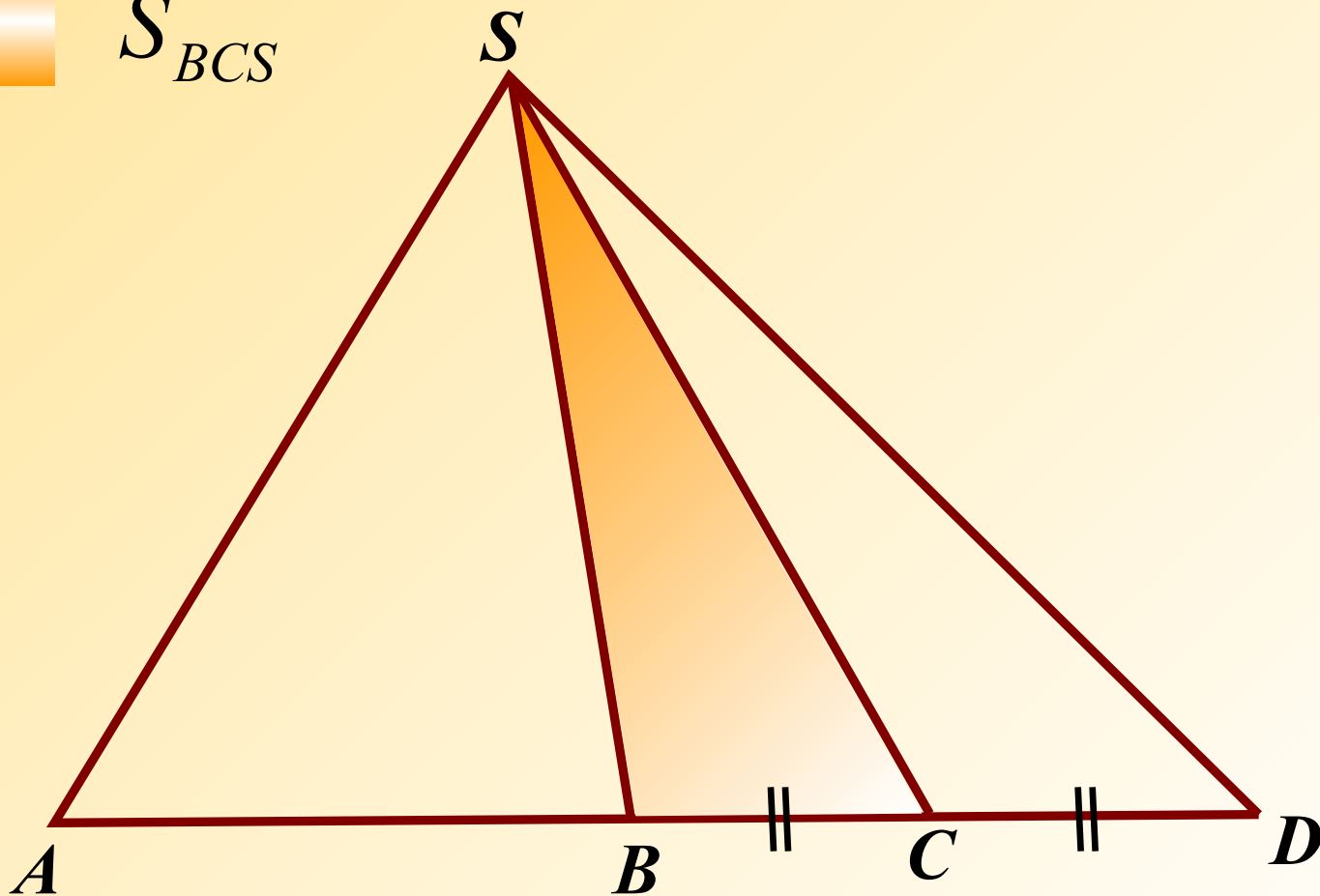
24.

*Дано:*

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

*Найти:*

$$S_{BCS}$$



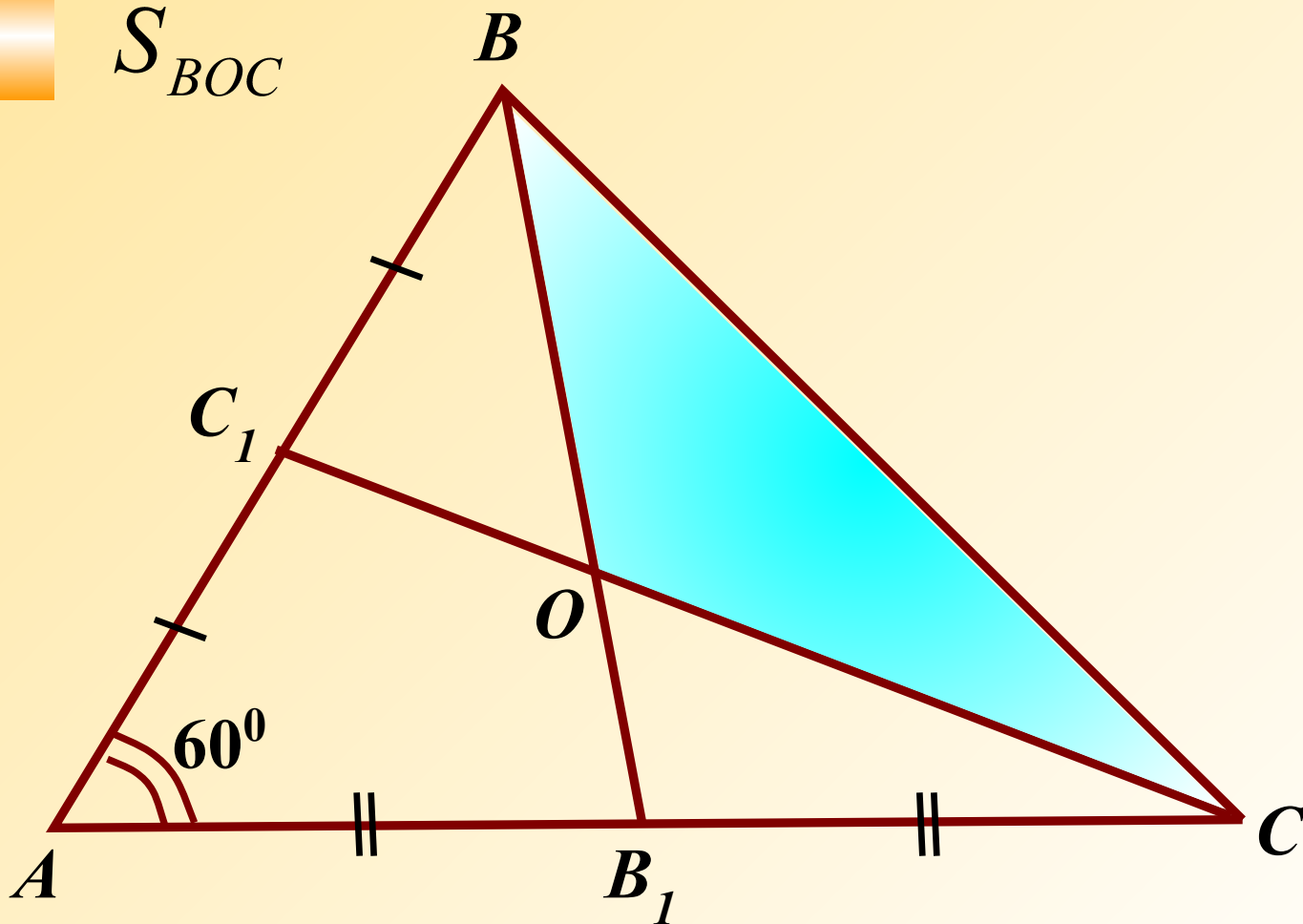
25.

Дано:

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

Найти:

$S_{BOC}$

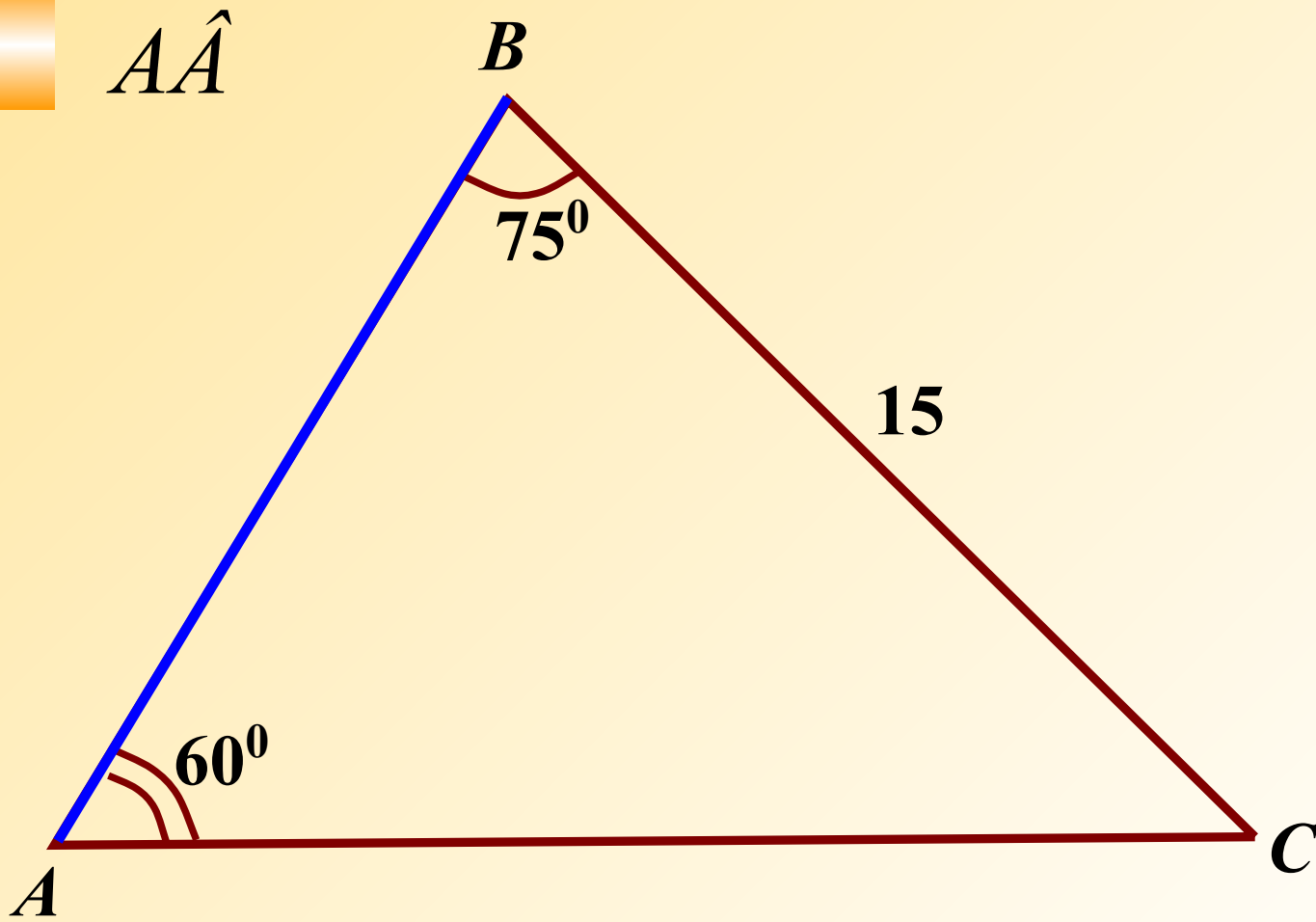


26.

Дано:  $\triangle ABC$

Найти:

$\hat{A}$



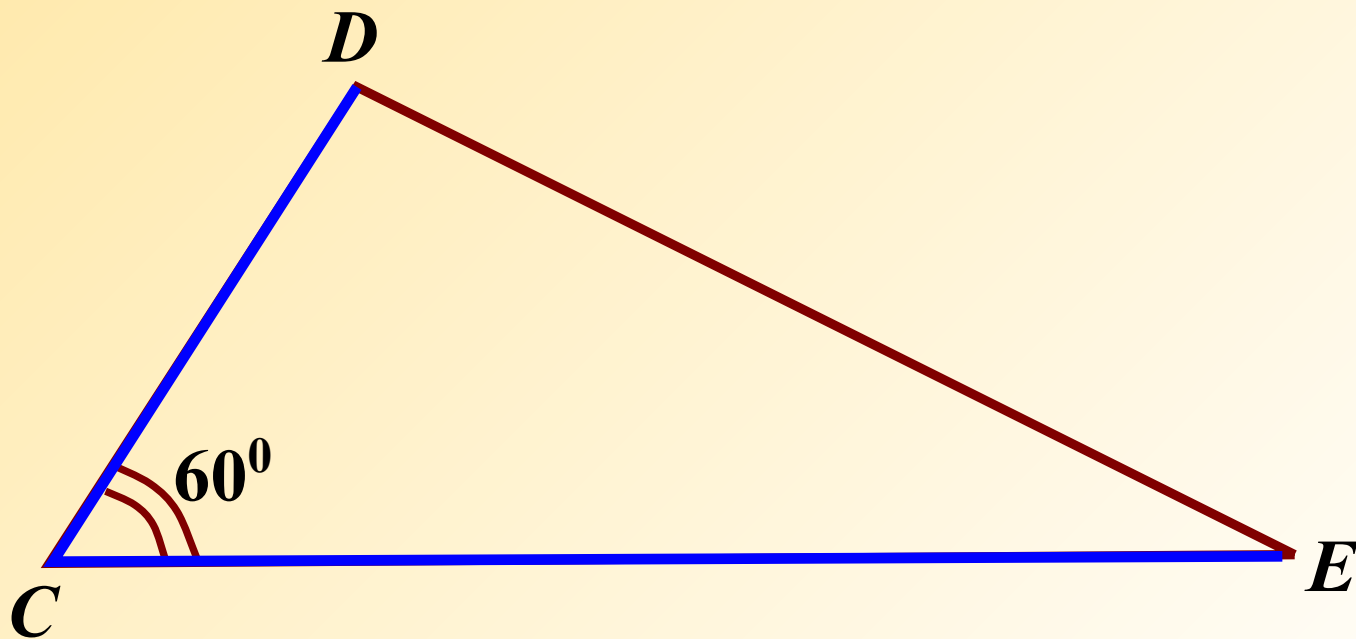
27.

**Дано:**

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

**Найти:**

$$\frac{\tilde{NA}}{\tilde{ND}}$$



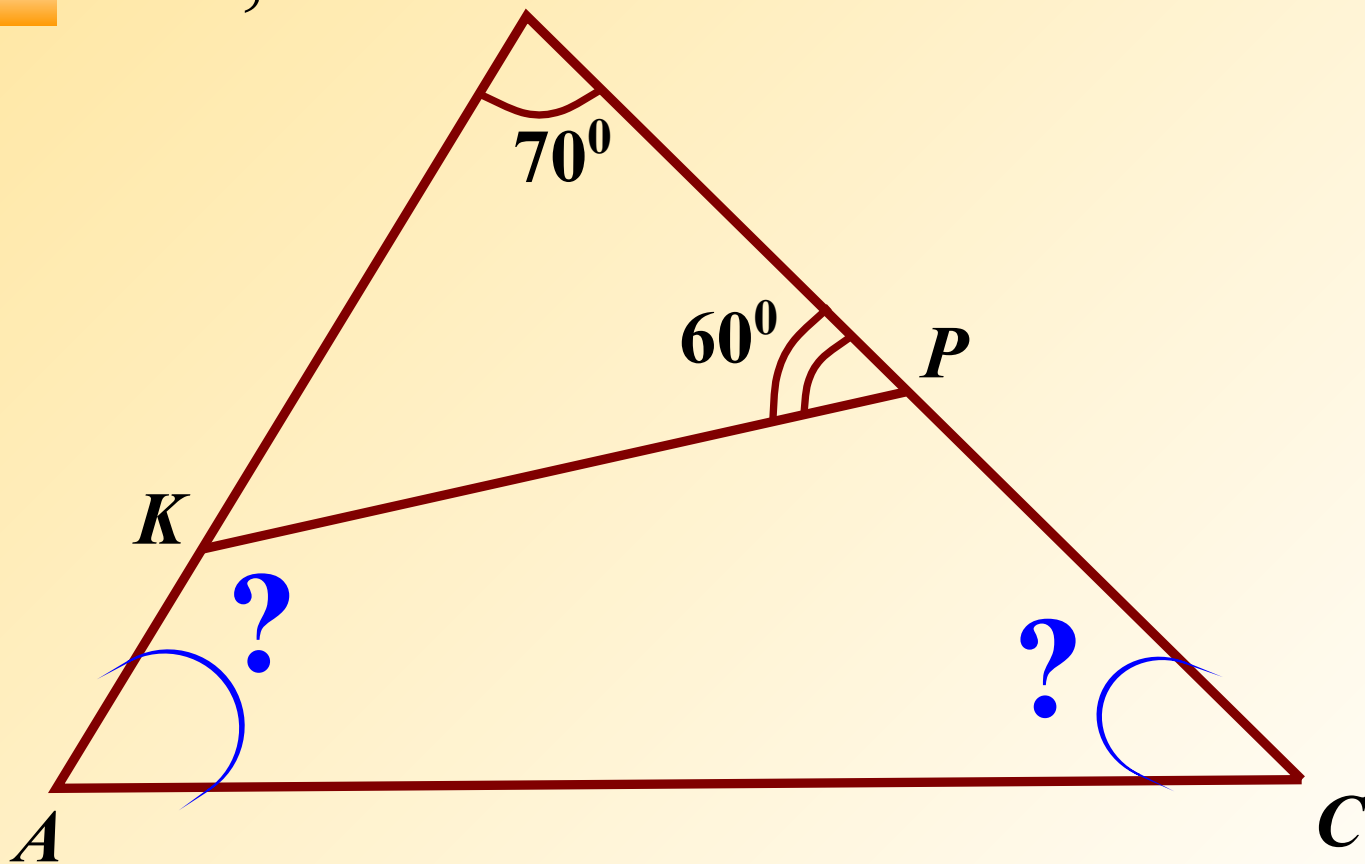
28.

*Дано:*

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

*Найти:*

$\angle A$ ,  $\angle C$



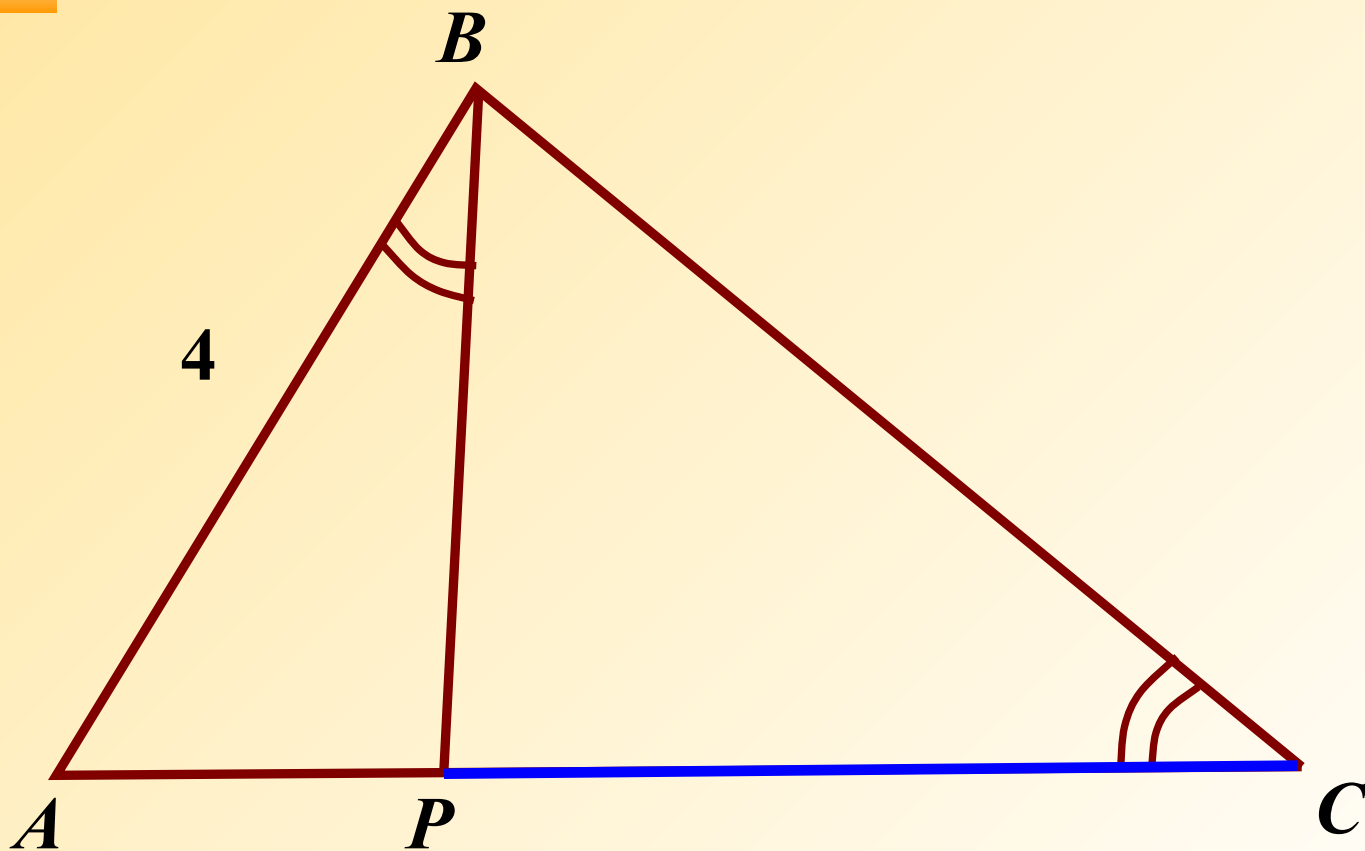
29.

*Дано:*

$\triangle ABC$ ,  $AC = 8$

*Найти:*

$PC$



30.

Дано:  $\triangle ABC$

Найти:  $OC$

