

Геометрия. 8 класс.

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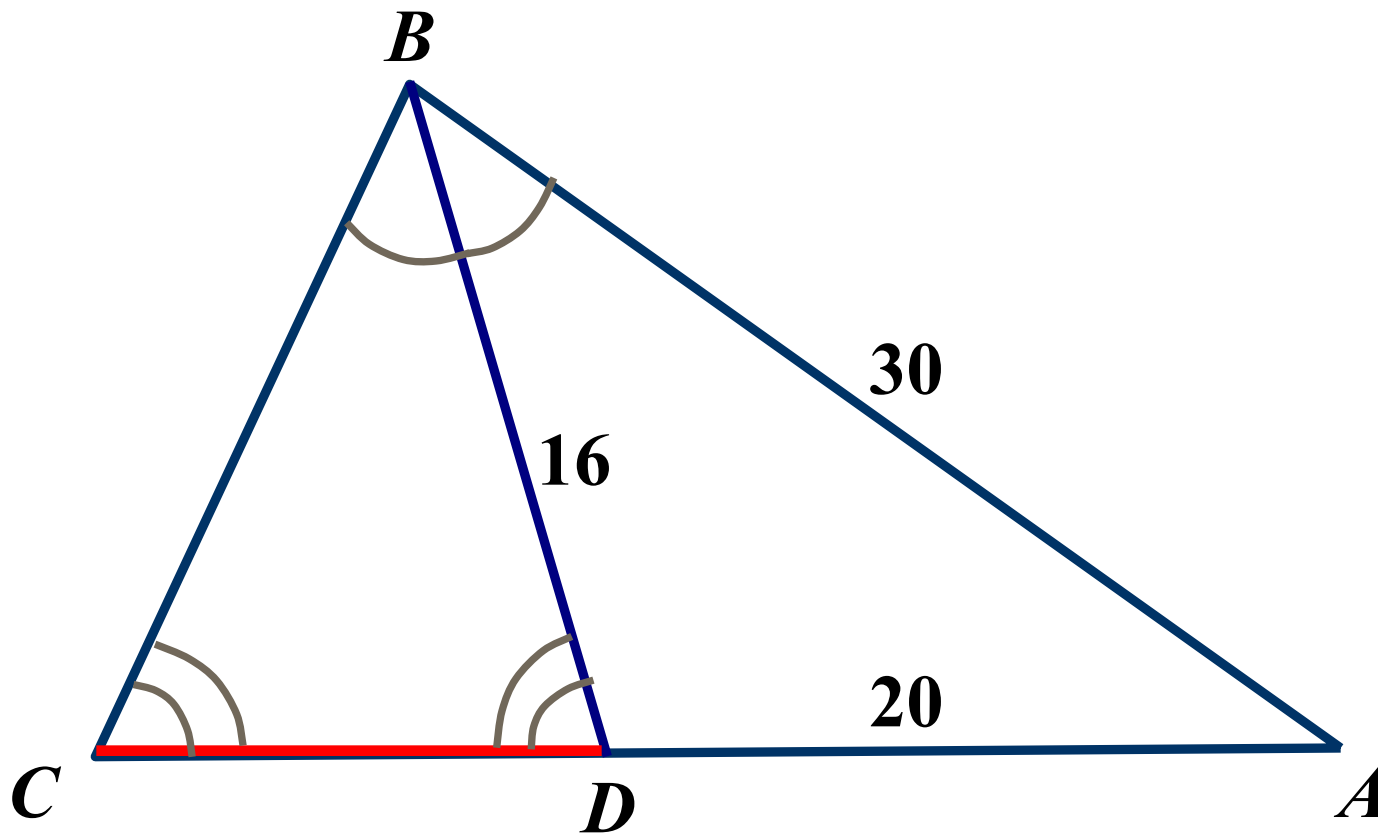
1.

Дано:

$\triangle ABC$

Найти:

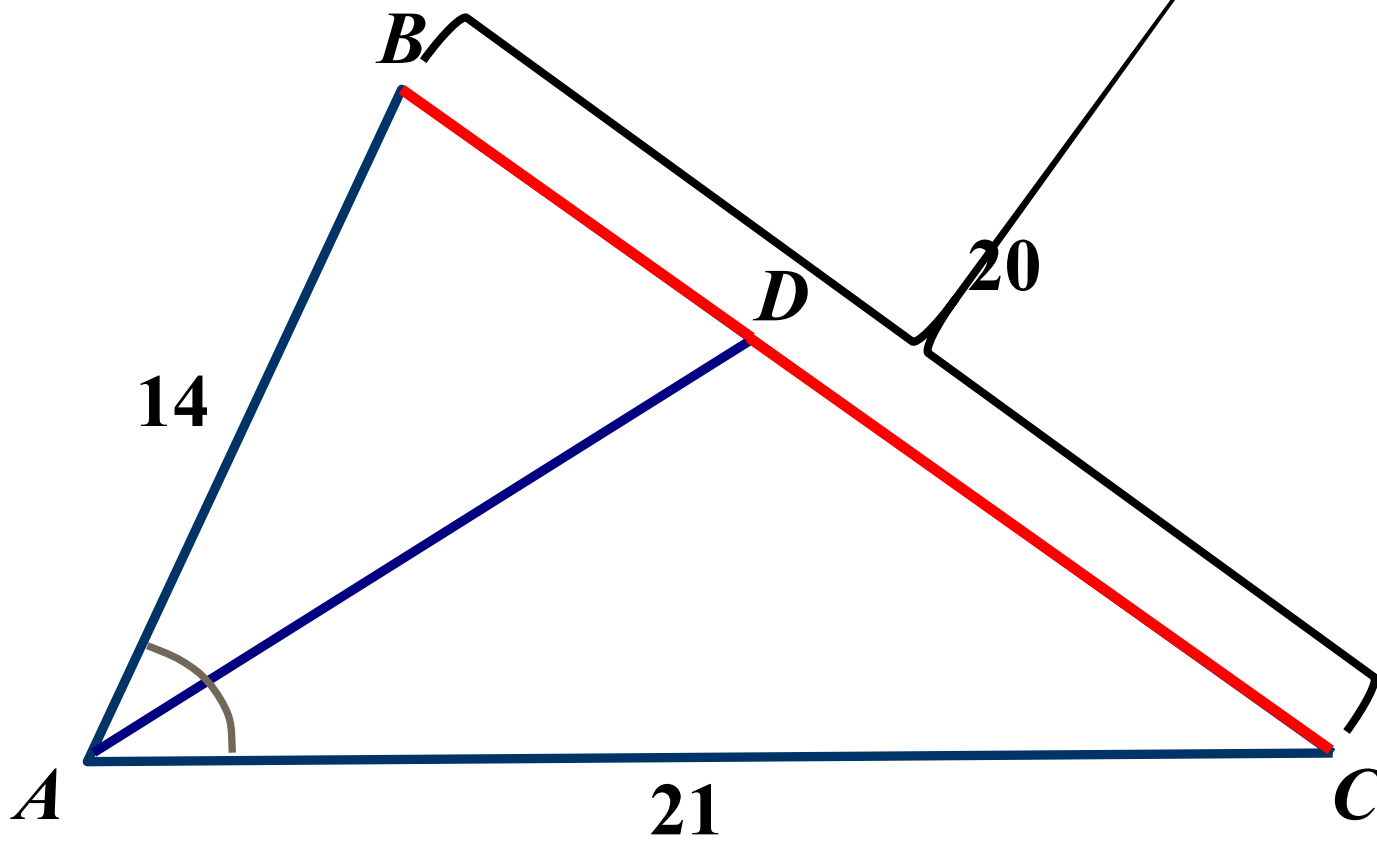
DC



2.

Дано: $\triangle ABC$

Найти: BD, DC



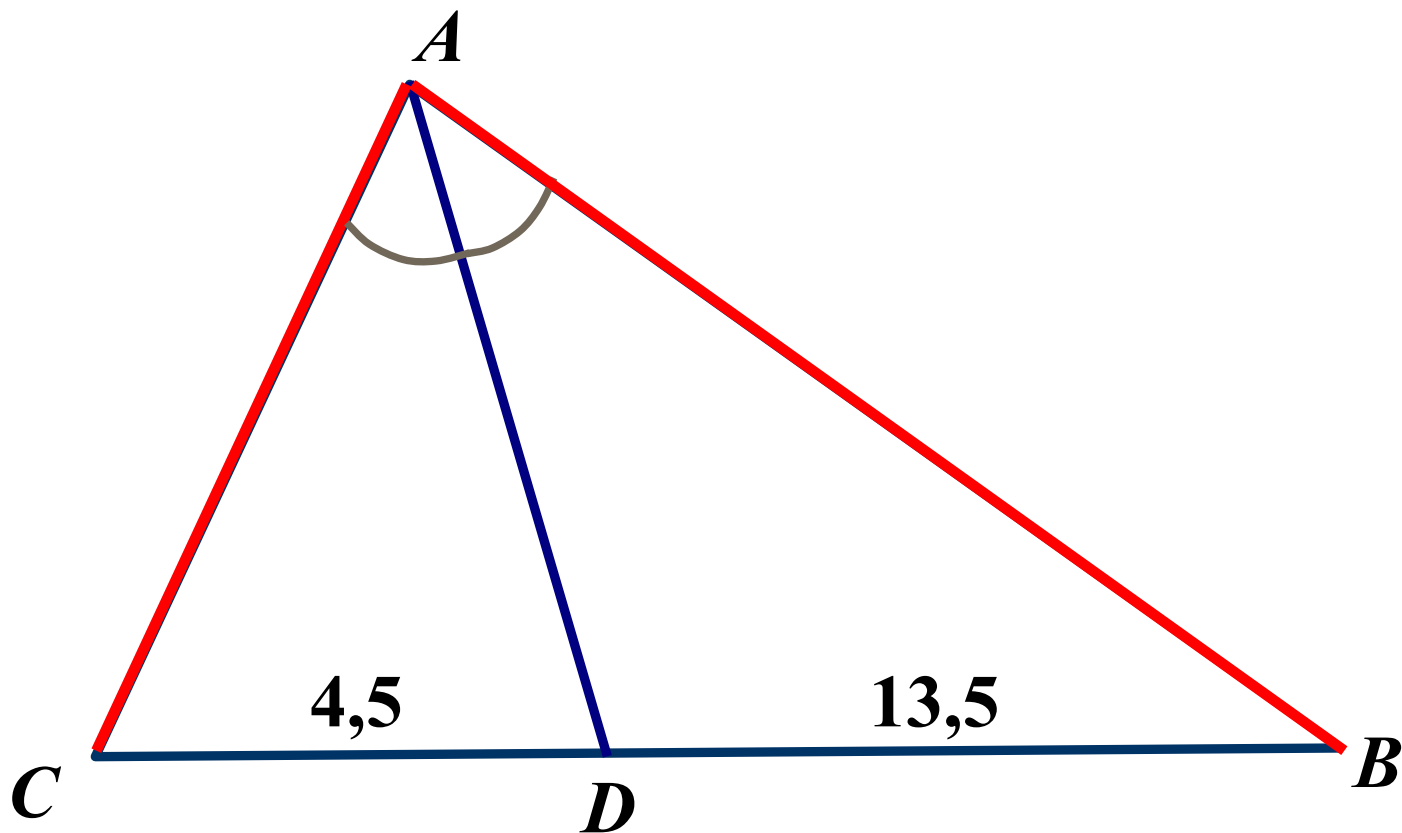
3.

Дано:

$$\triangle ABC, P_{ABC} = 42$$

Найти:

AC, AB



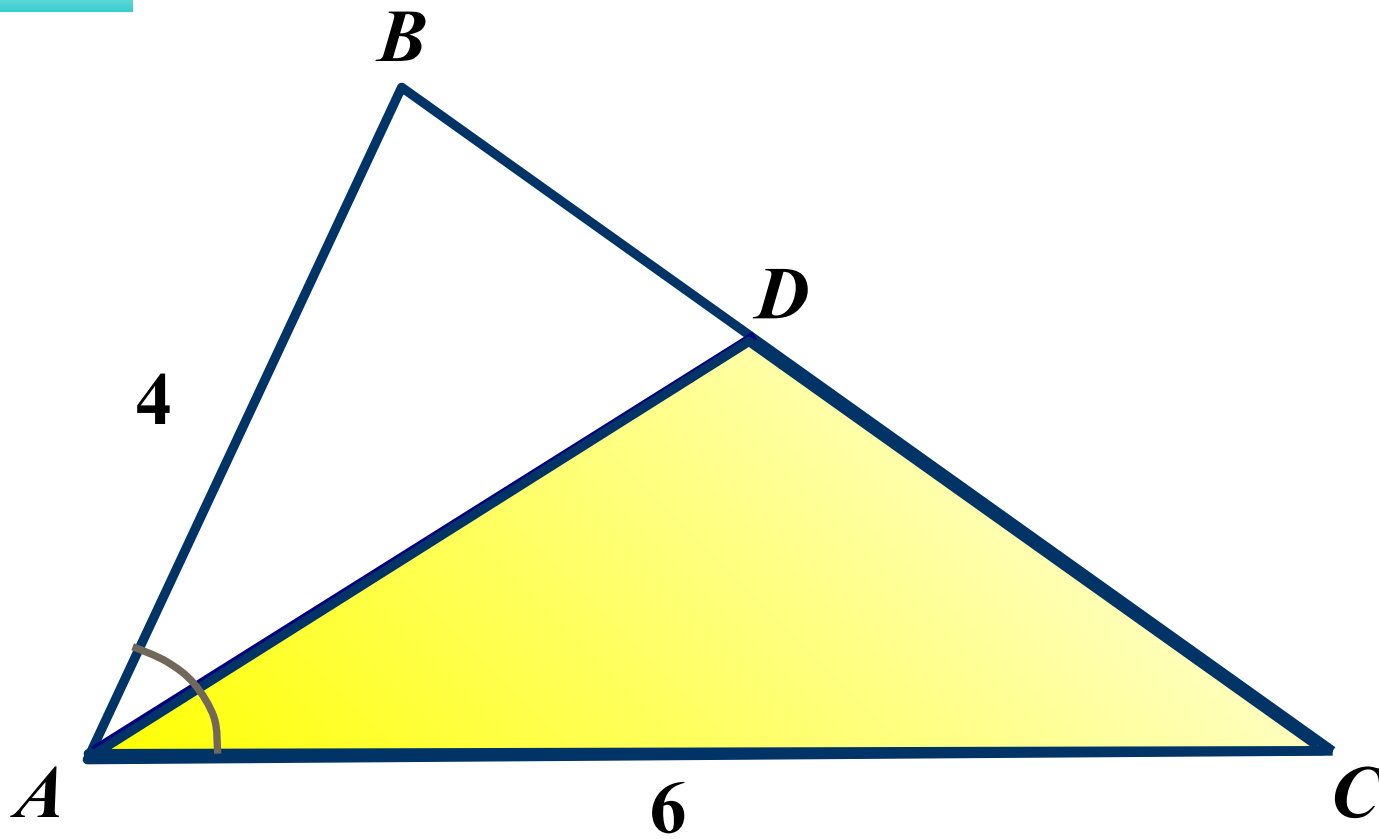
4.

Дано:

$$\triangle ABC, S_{ABD} = 12 \text{ см}^2$$

Найти:

$$S_{ADC}$$

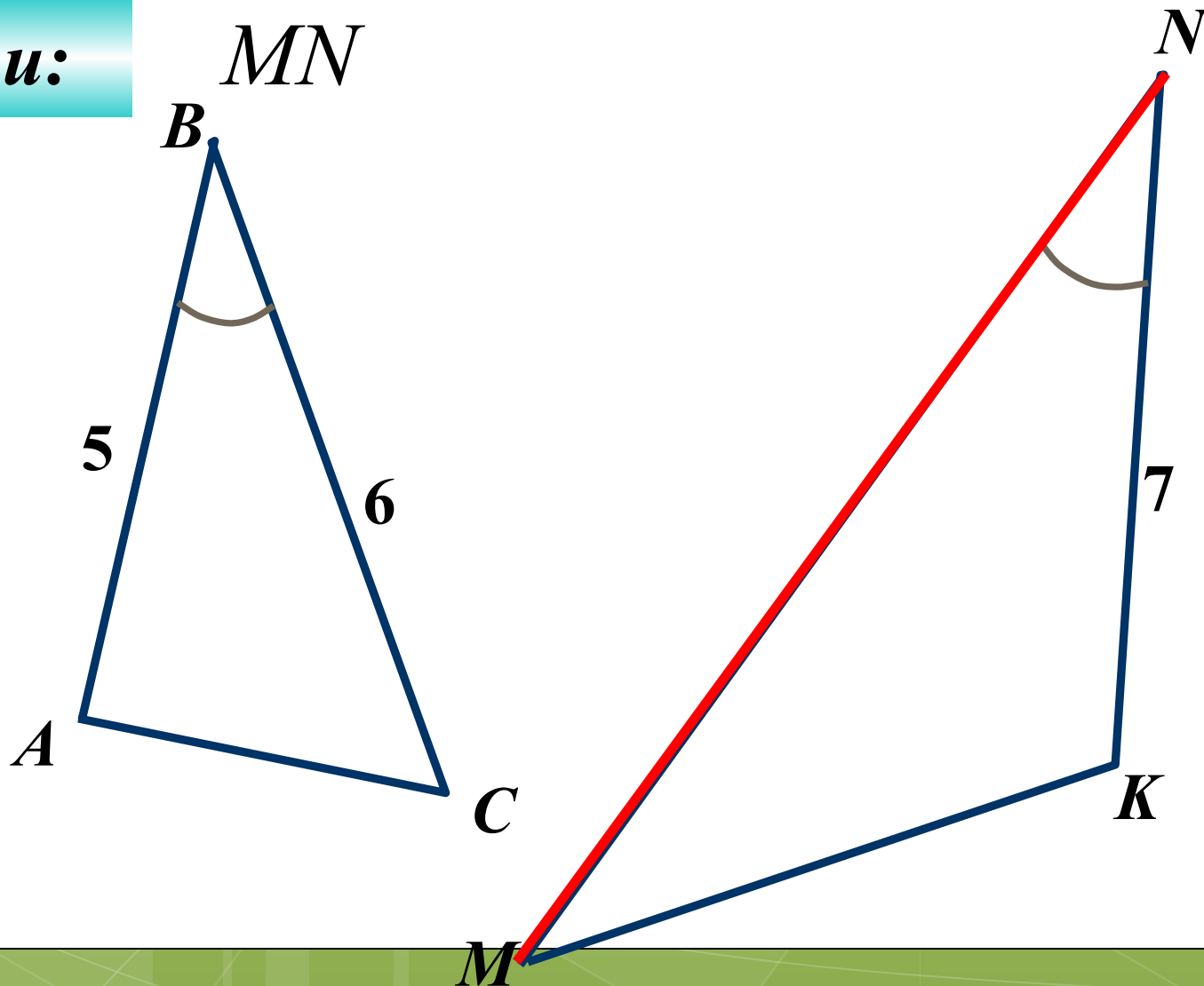


5.

Дано:

$$S_{ABC} : S_{MNK} = 3 : 7$$

Найти:



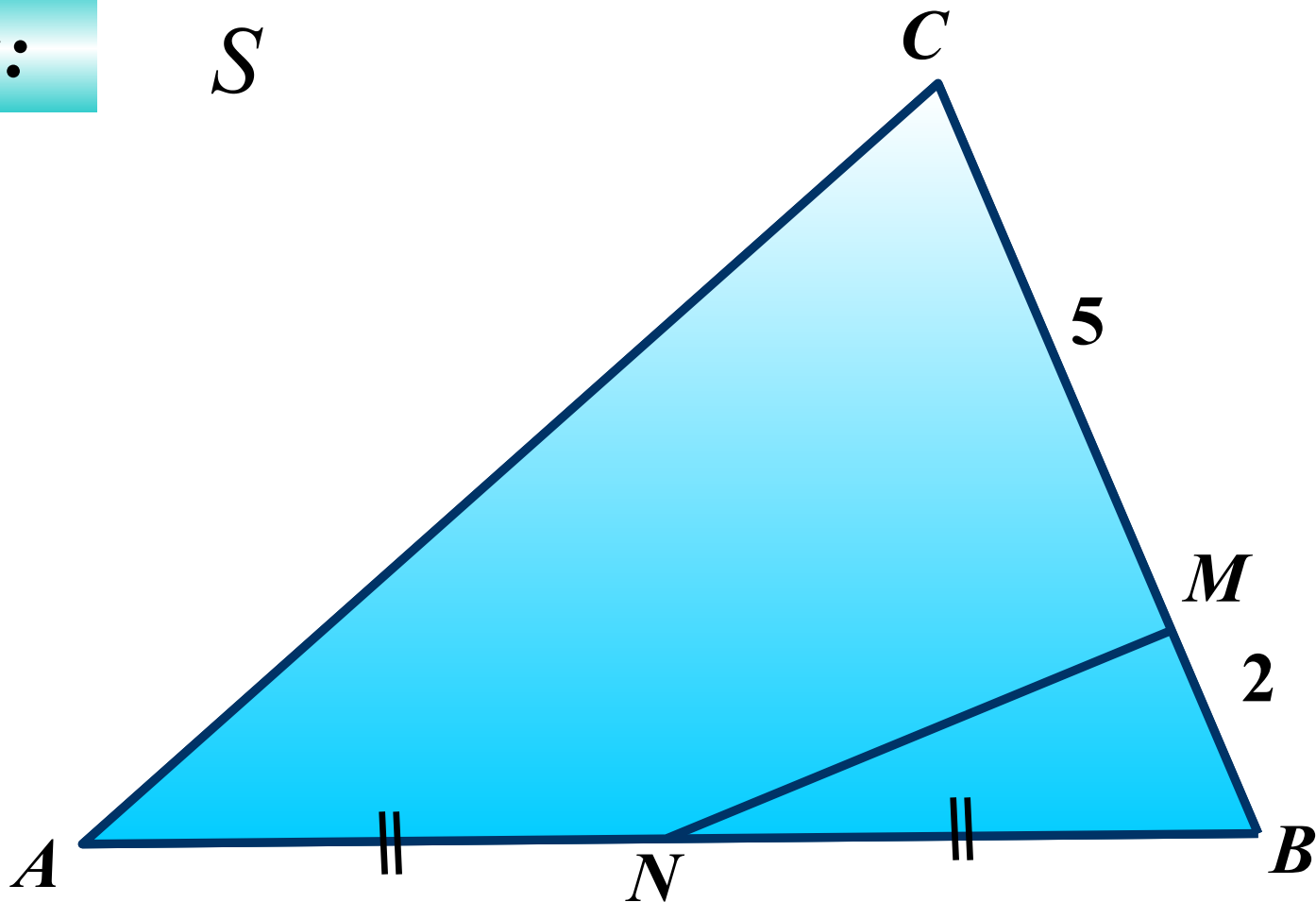
6.

Дано:

$$\triangle ABC, S_{BNM} = 4\text{см}^2$$

Найти:

S



7.

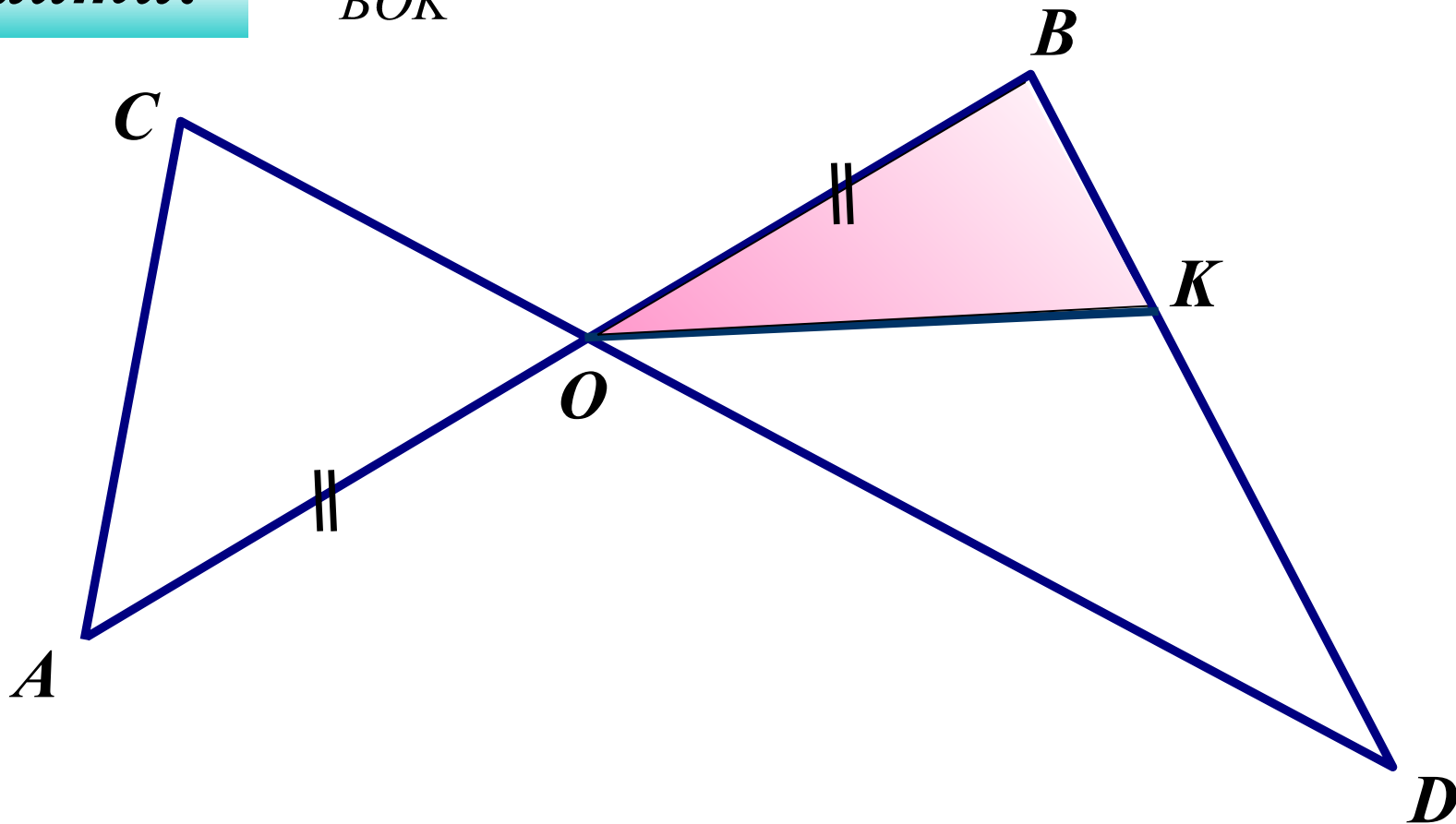
Дано:

$$BK : KD = 1 : 3$$

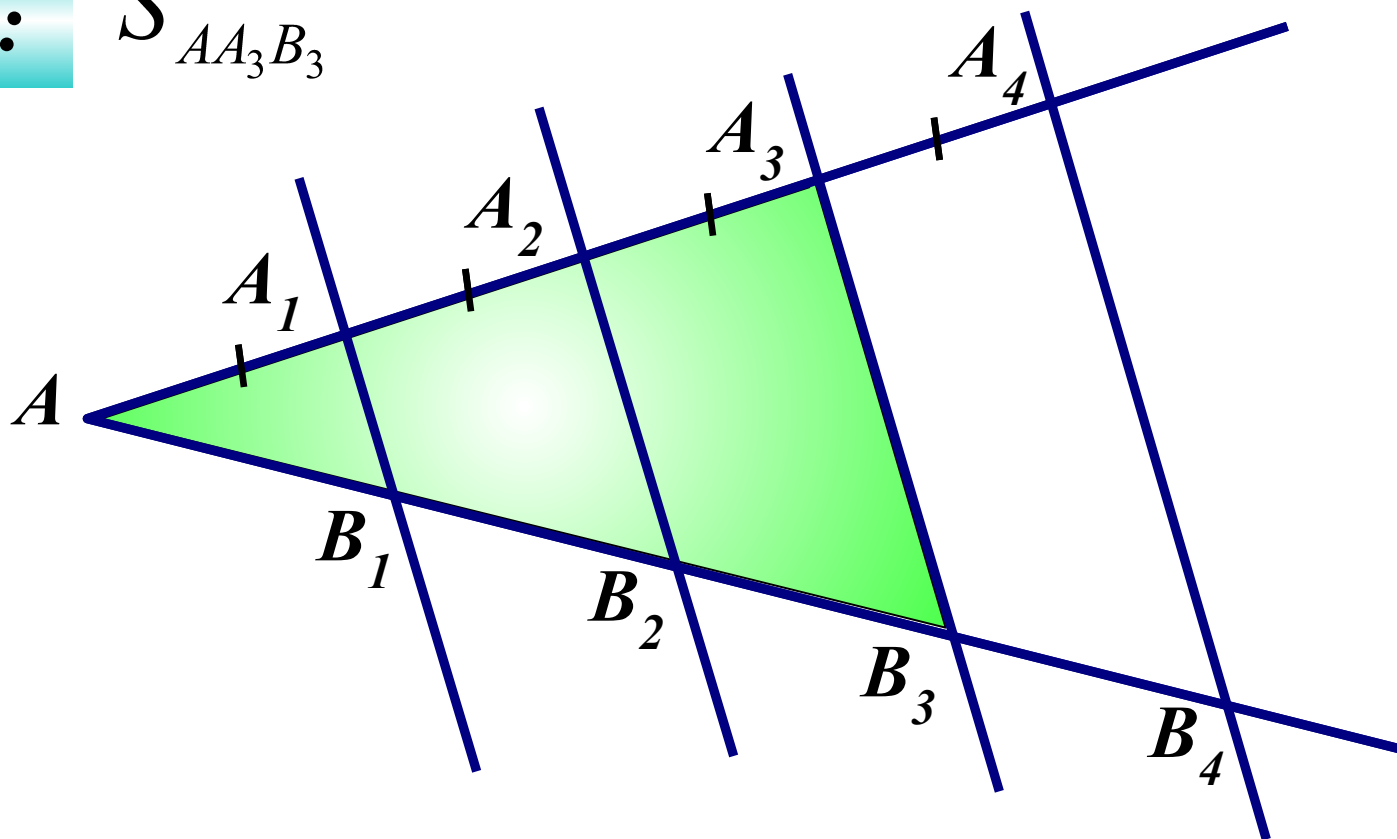
$$CO : OD = 2 : 3, S_{AOC} = 4 \text{ см}^2$$

Найти:

$$S_{BOK}$$



8.

Дано: $A_1B_1 \parallel A_2B_2 \parallel A_3B_3 \parallel A_4B_4$ $AA_1 = A_1A_2 = A_2A_3 = A_3A_4$ $AB_4 = 12\text{ см}, S_{AA_4B_4} = 32\text{ см}^2$ **Найти:** $S_{AA_3B_3}$ 

9.

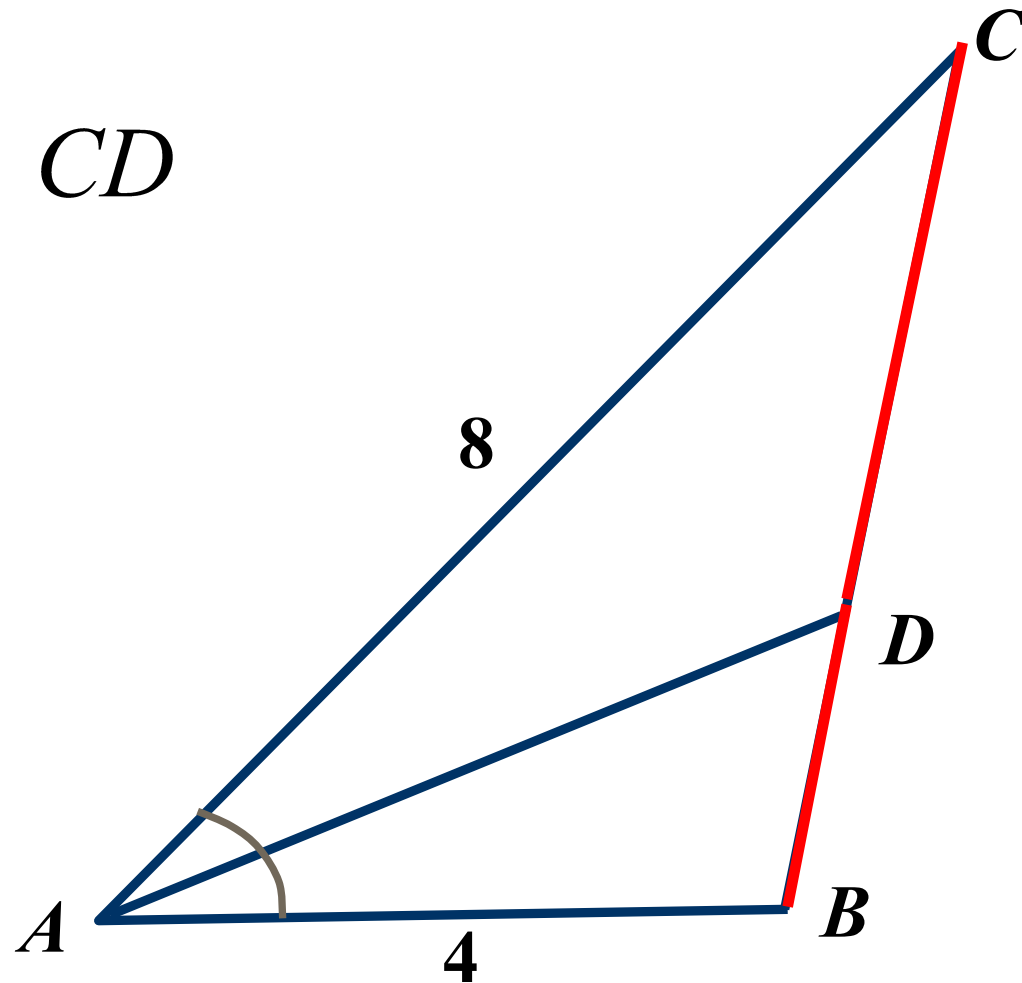
Дано:

$\triangle ABC$, AD – биссектриса

$AB = 4\text{ см}$, $AC = 8\text{ см}$, $BC = 6\text{ см}$

Найти:

BD , CD



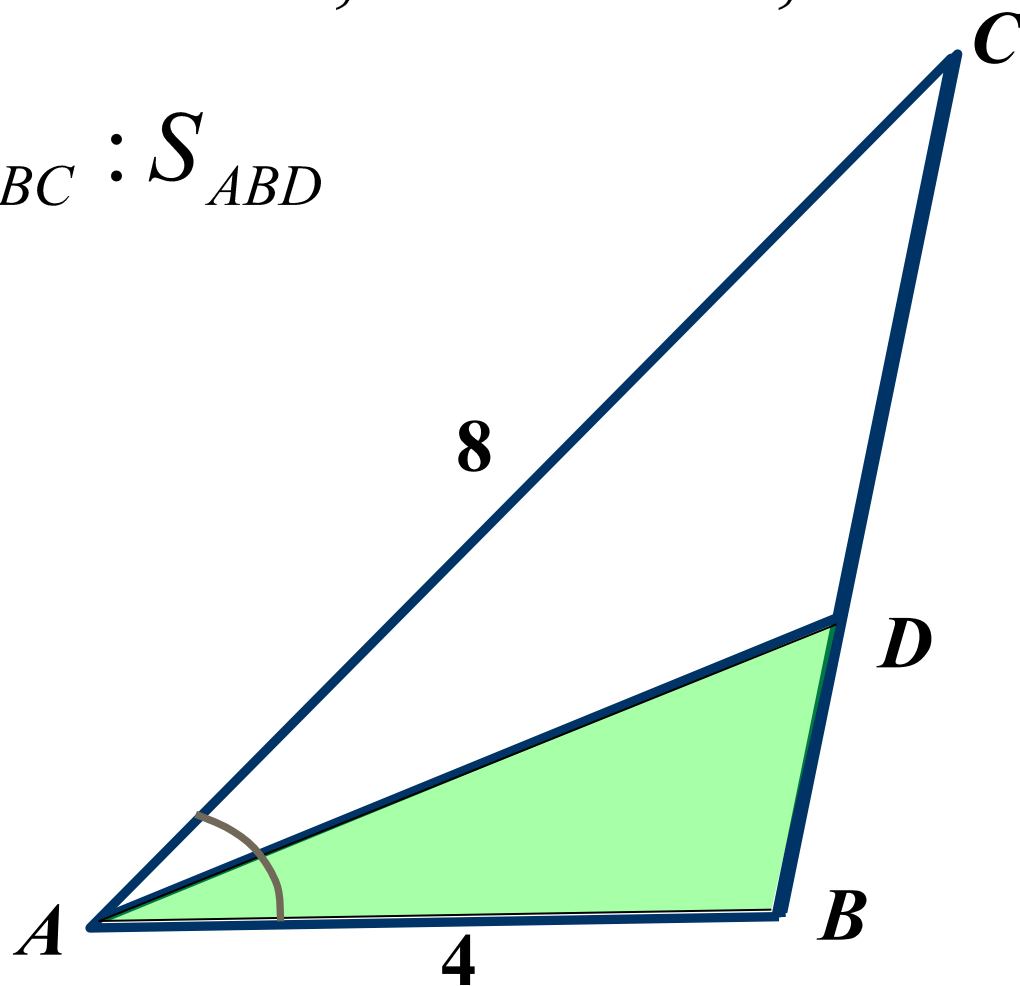
10.

Дано:

$\triangle ABC$, AD – биссектриса
 $AB = 4\text{ см}$, $AC = 8\text{ см}$, $BC = 6\text{ см}$

Найти:

$$S_{ABC} : S_{ABD}$$



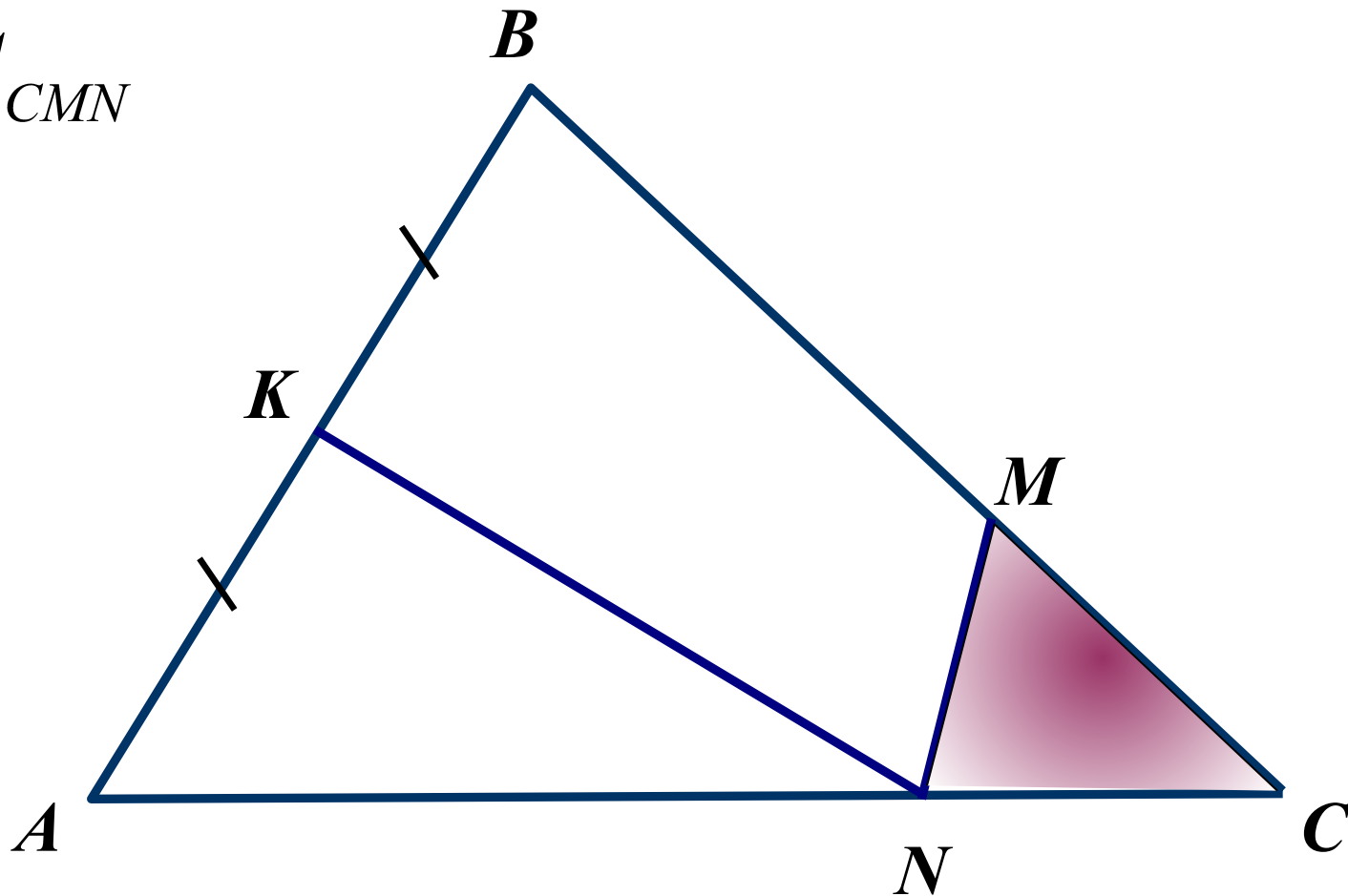
11.

Дано:

$$S_{ABC} = 36 \text{ см}^2, \quad AN : NC = 3 : 1$$
$$BM : MC = 2 : 1, \quad AK = KB$$

Найти:

$$S_{CMN}$$



12.

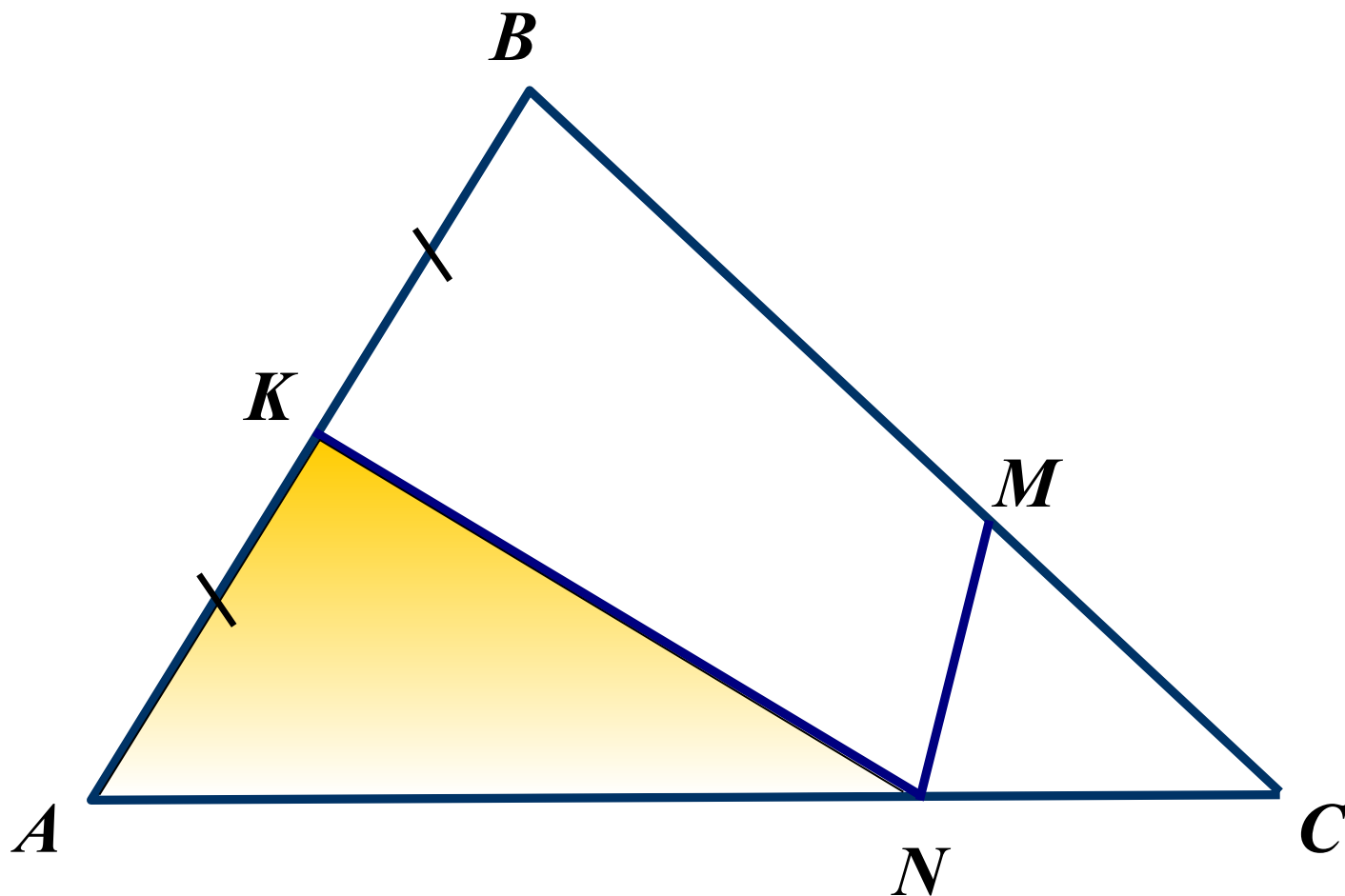
Дано:

$$S_{ABC} = 36 \text{ см}^2, AN : NC = 3 : 1$$

$$BM : MC = 2 : 1, AK = KB$$

Найти:

$$S_{AKN}$$

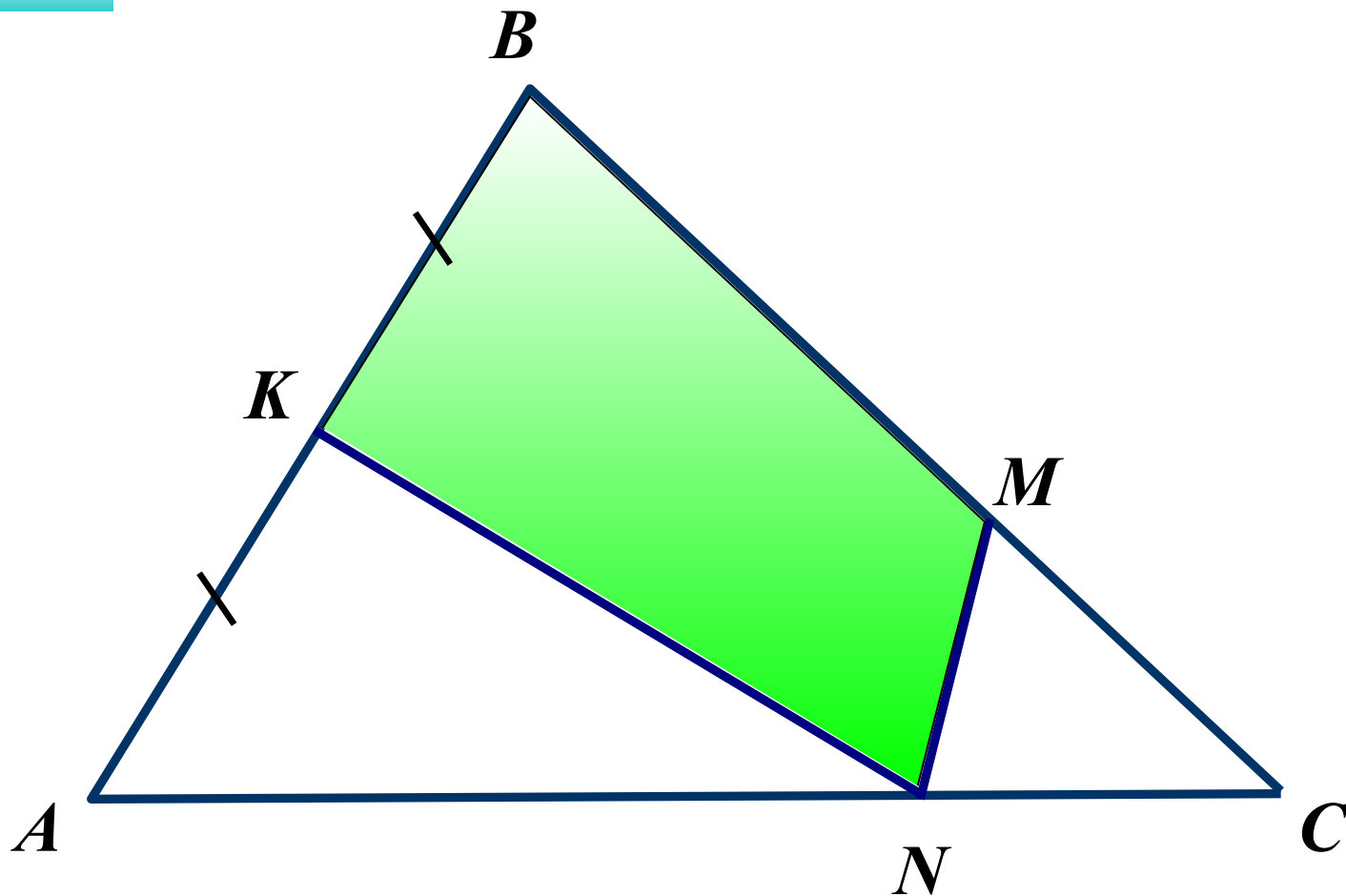


13.

Дано: $S_{ABC} = 36 \text{ см}^2$, $AN : NC = 3 : 1$
 $BM : MC = 2 : 1$, $AK = KB$

Найти:

S_{BKNM}



14.

Дано:

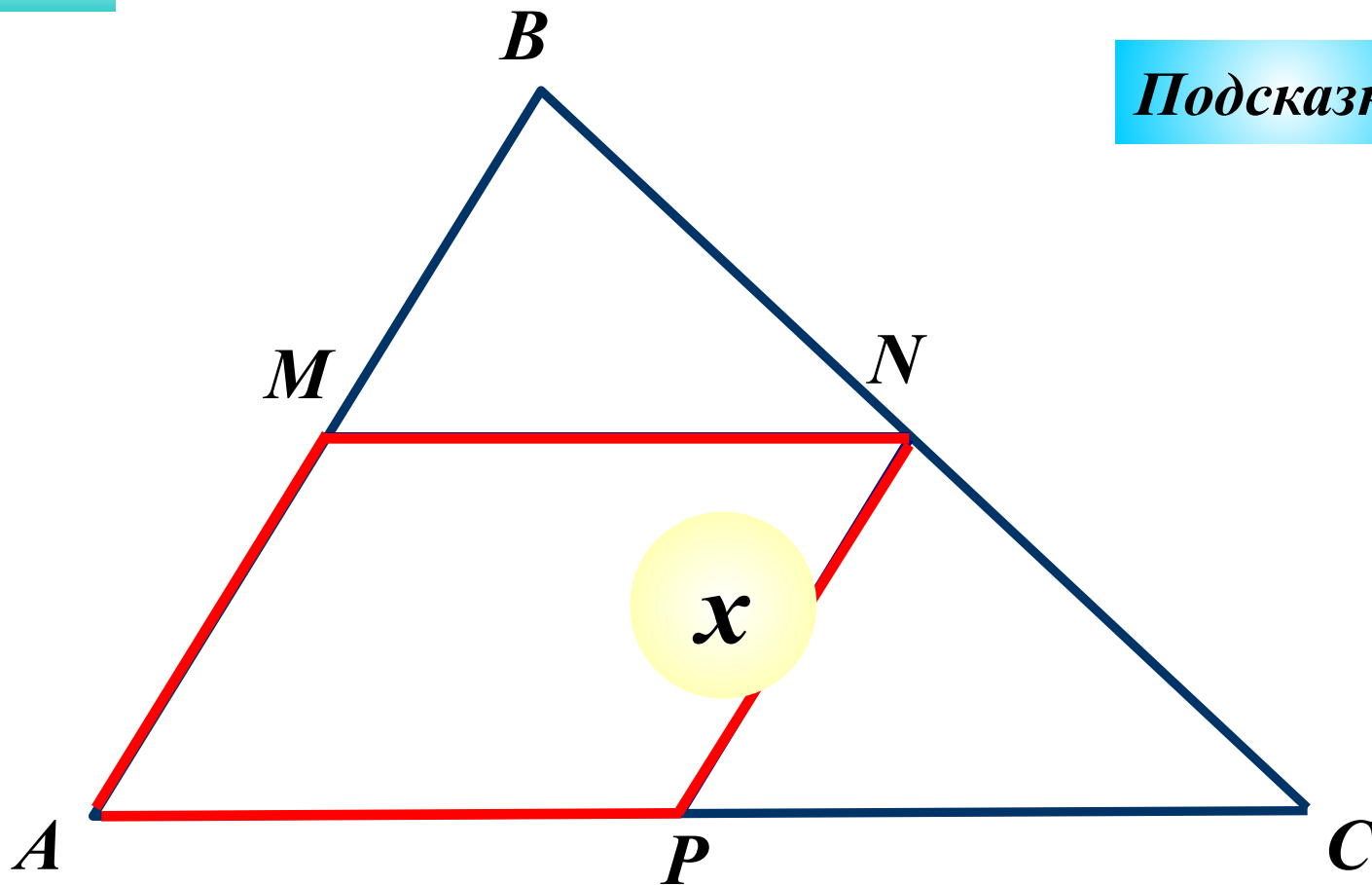
$$AB = 10 \text{ см}, AC = 15 \text{ см}$$

$$MN \parallel AC, NP \parallel AB, PN : MN = 2 : 3$$

Найти:

$$AM, MN, NP, AP$$

Подсказка.



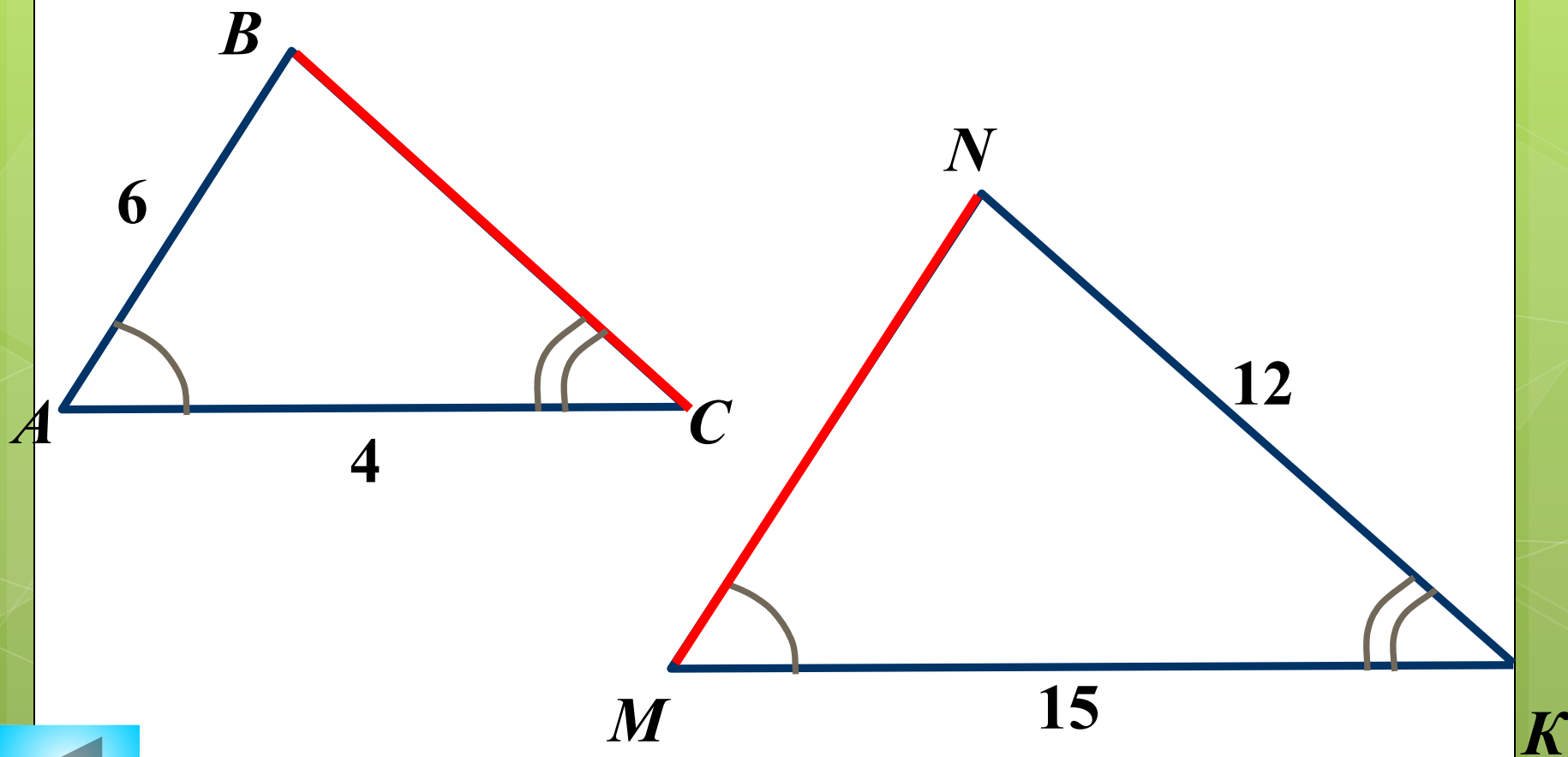
15.

Дано:

$\triangle ABC, \triangle MNK$

Найти:

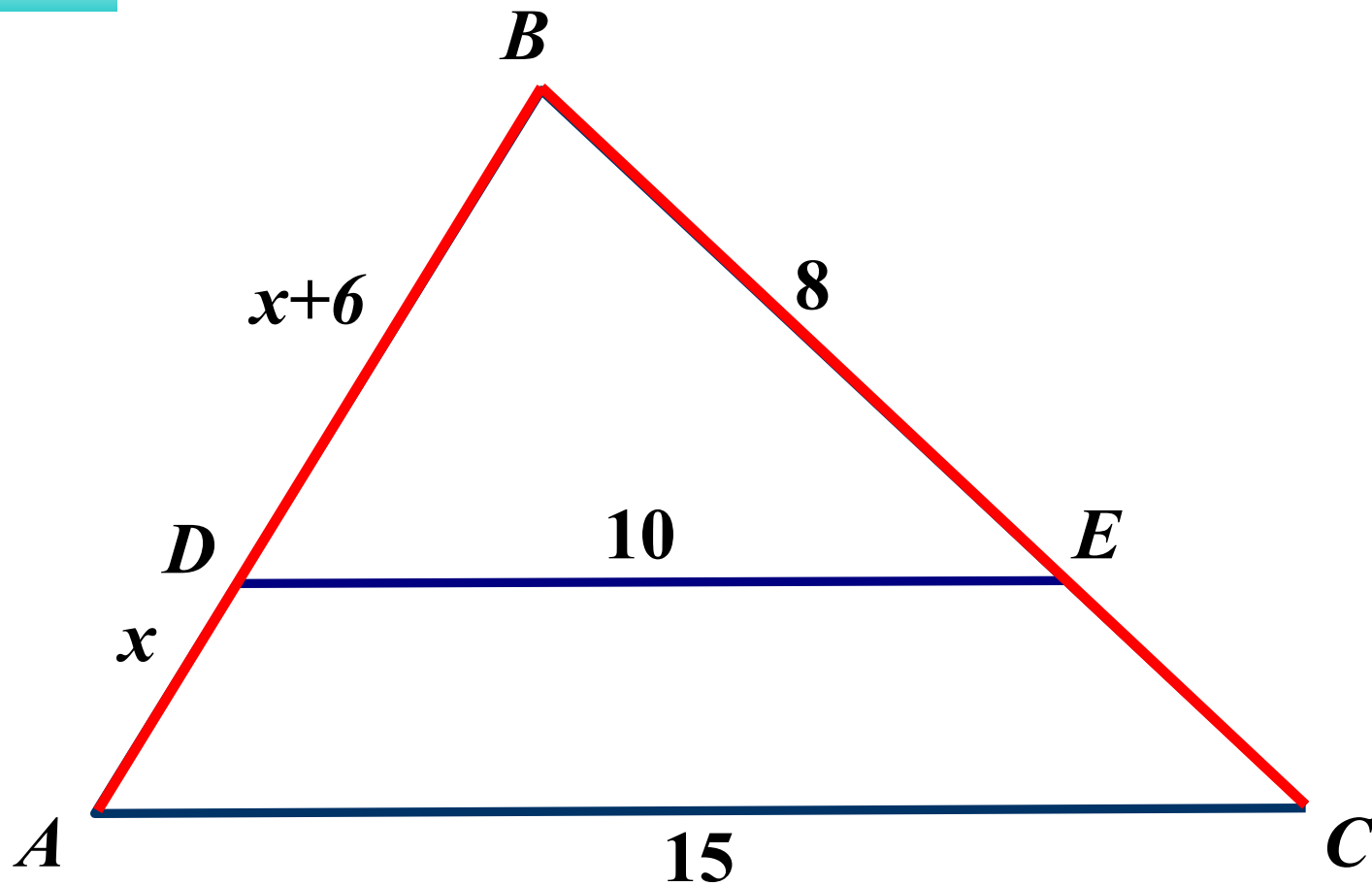
BC, MN



16.

Дано: $\triangle ABC, DE \parallel AC$

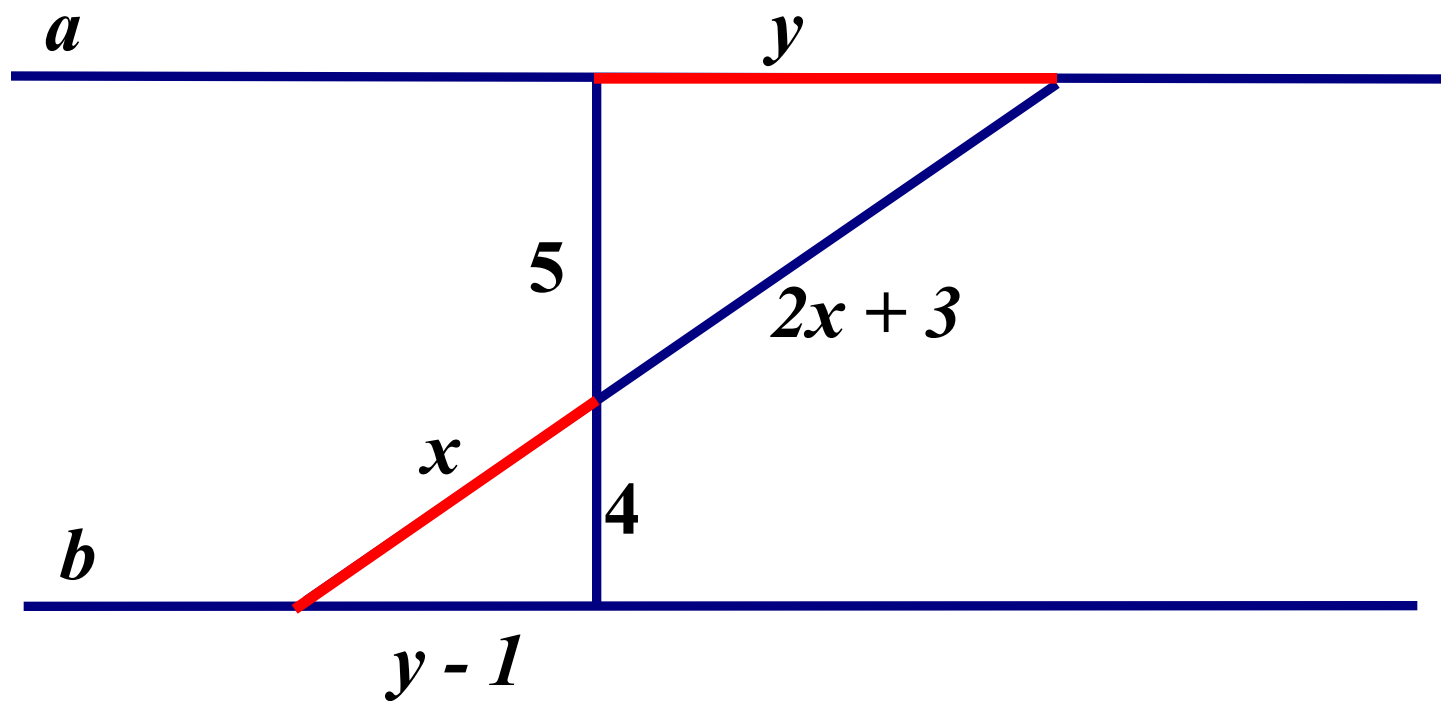
Найти: AB, BC



17.

Дано: $a \parallel b$

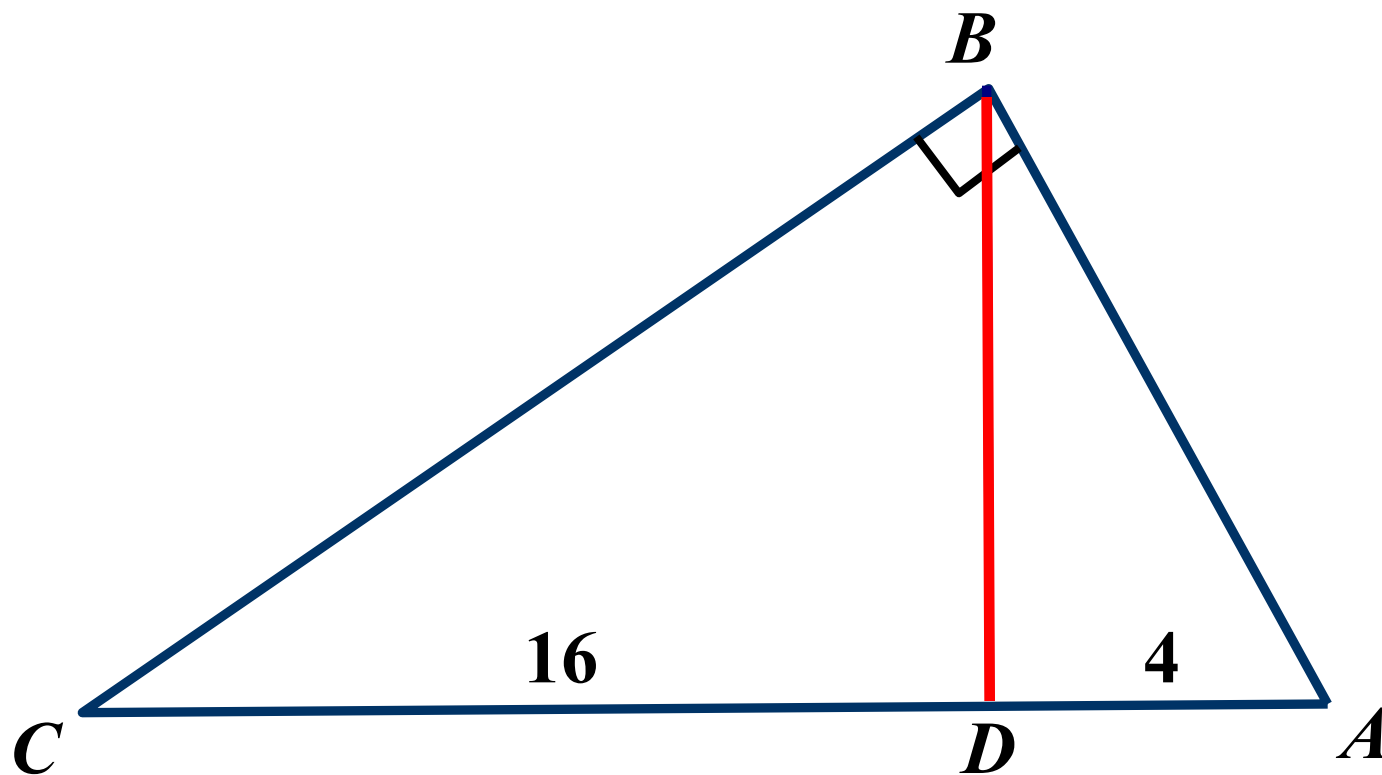
Найти: x, y



18.

Дано: $\triangle ABC$

Найти: BD



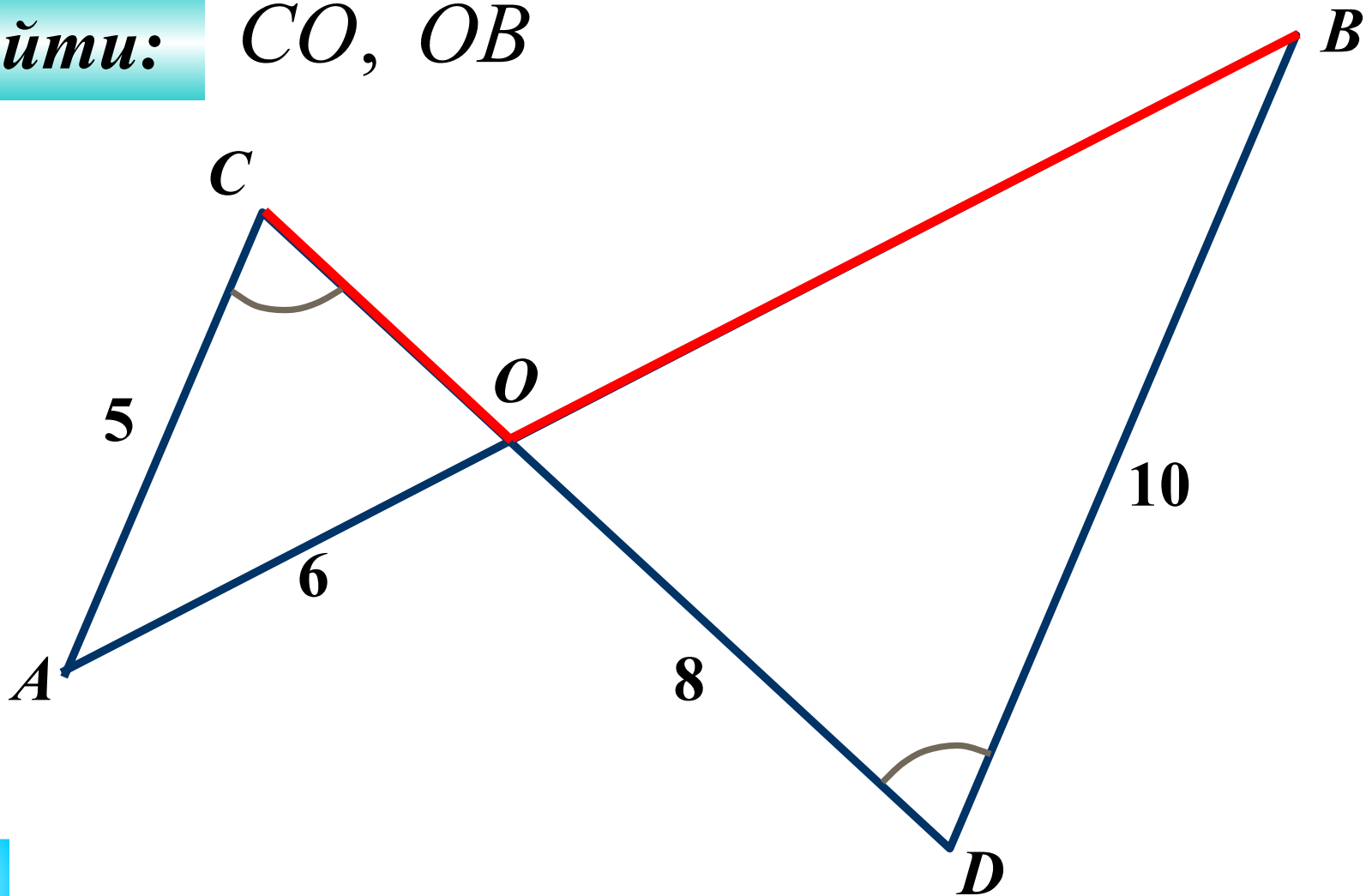
19.

Дано:

$AC \parallel BD$

Найти:

CO, OB

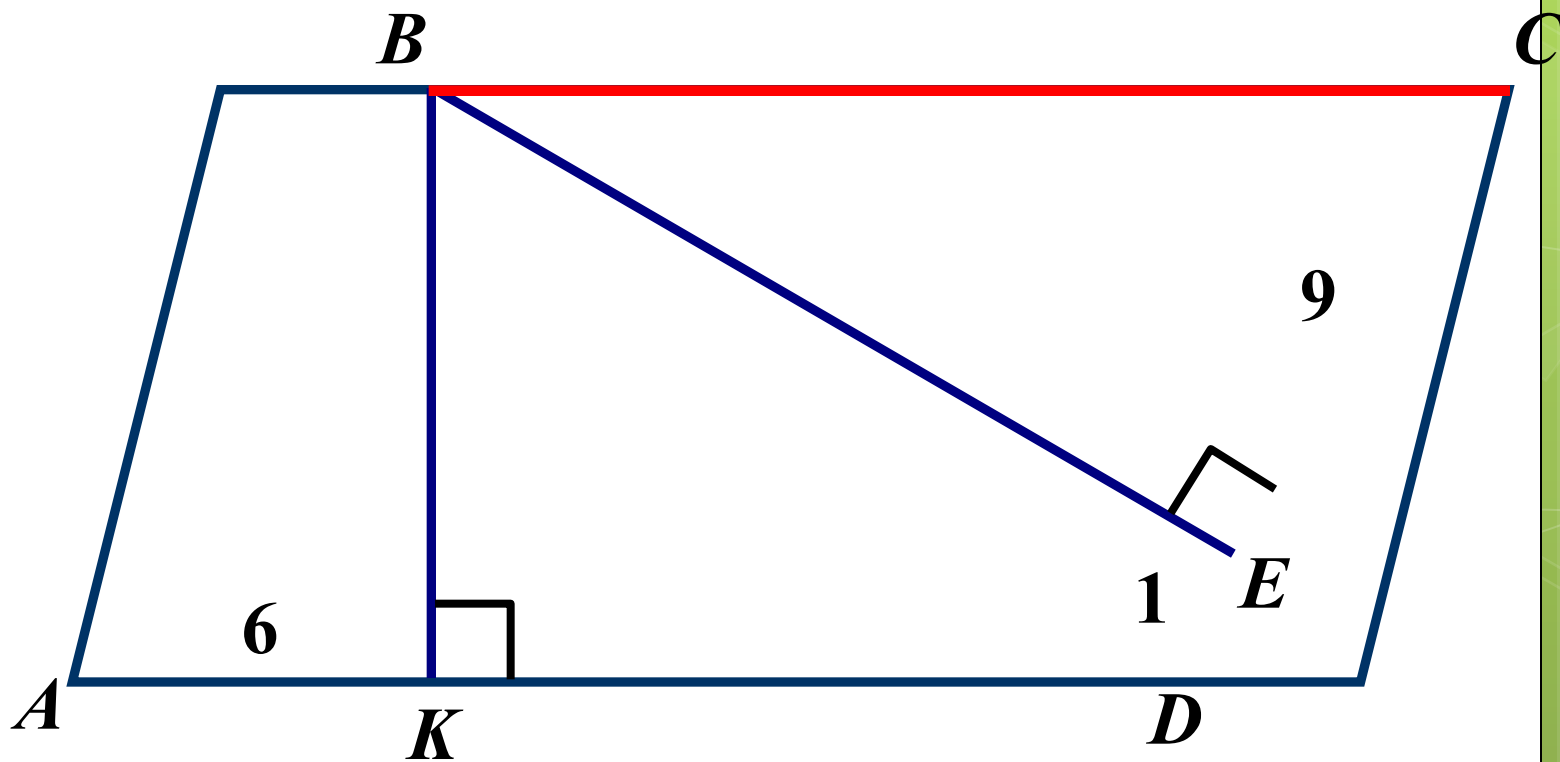


20.

Дано:

$ABCD$ – параллелограмм

Найти: BC



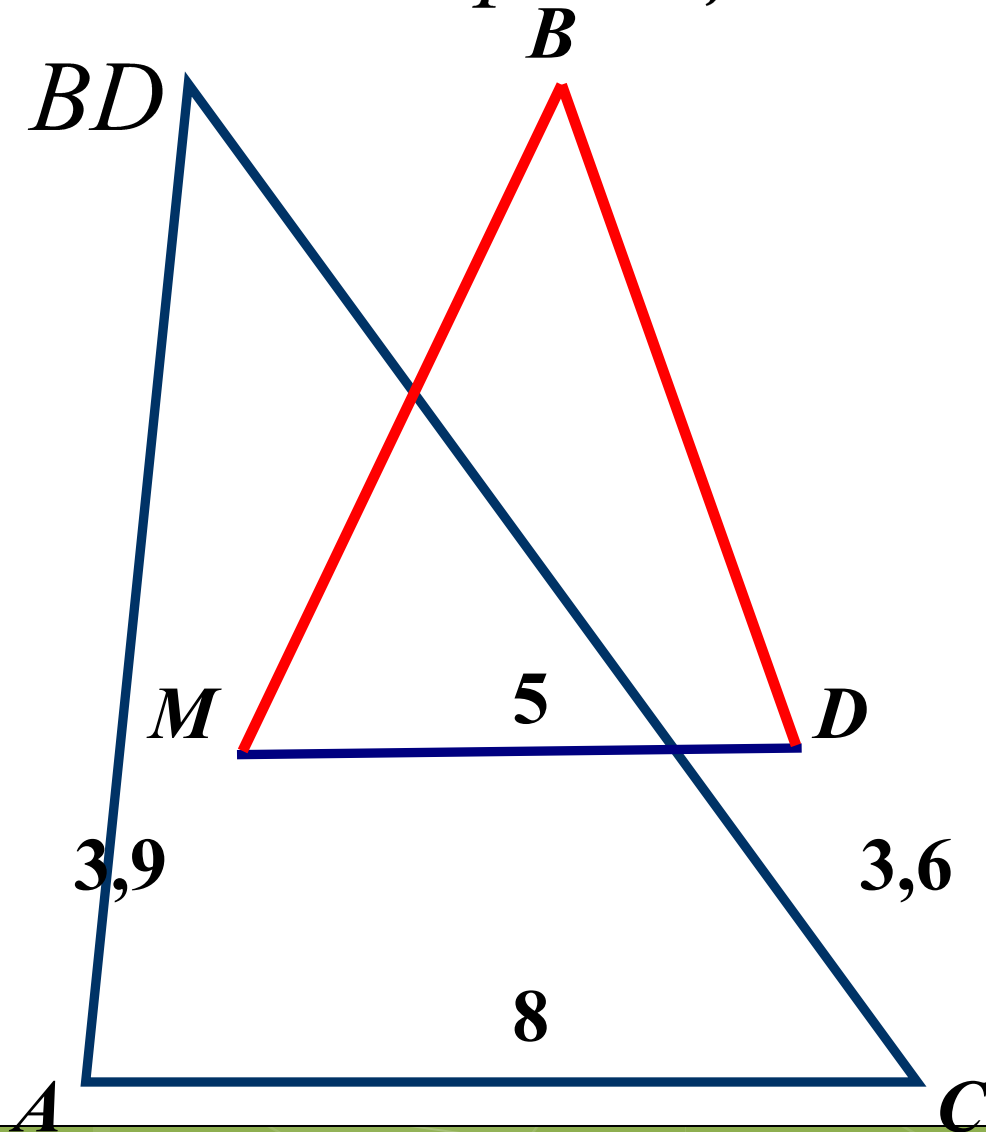
21.

Дано:

Найти:

BM, BD

$AMMD$ – трапеция



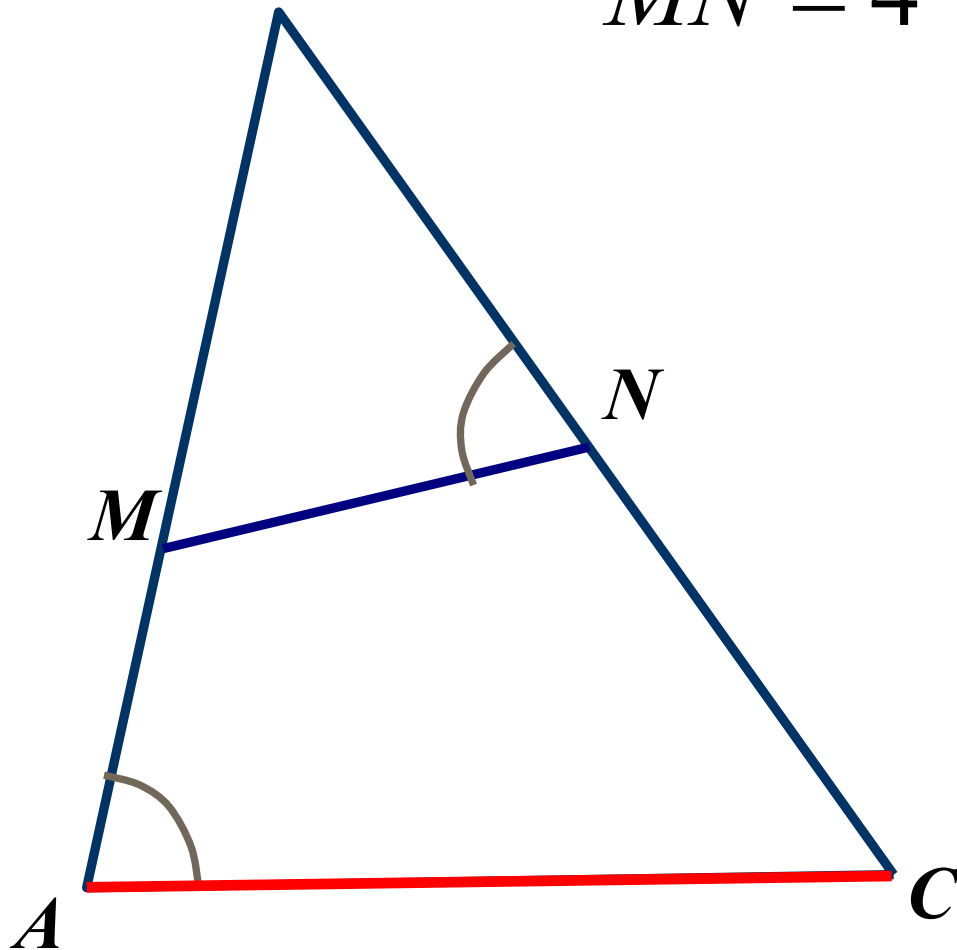
22.

Дано:

$\triangle ABC$, $BC = 12$, $BM = 6$
 $MN = 4$

Найти:

AC



23.

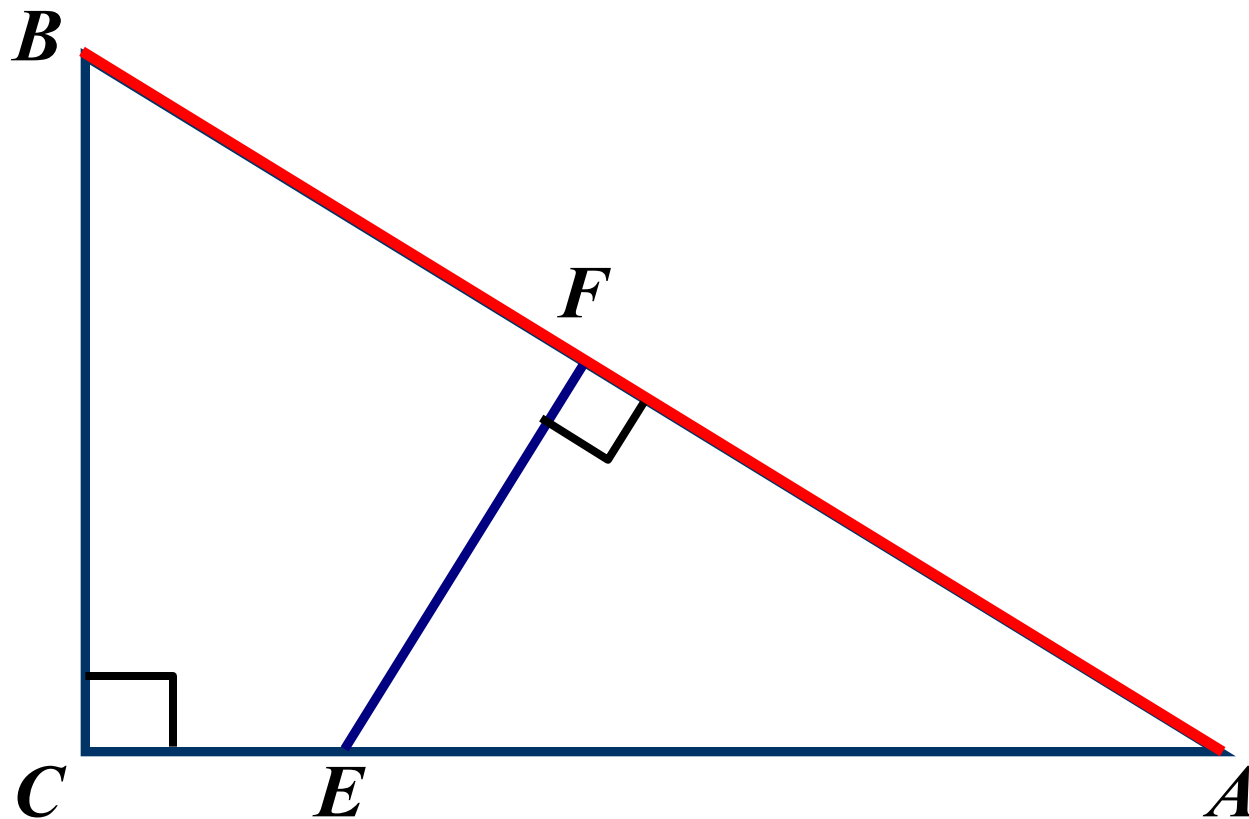
Дано:

$\triangle ABC$, $BC \perp AC$, $EF \perp AB$

Найти:

$BC = 12$, $AE = 10$, $EF = 6$

AB



24.

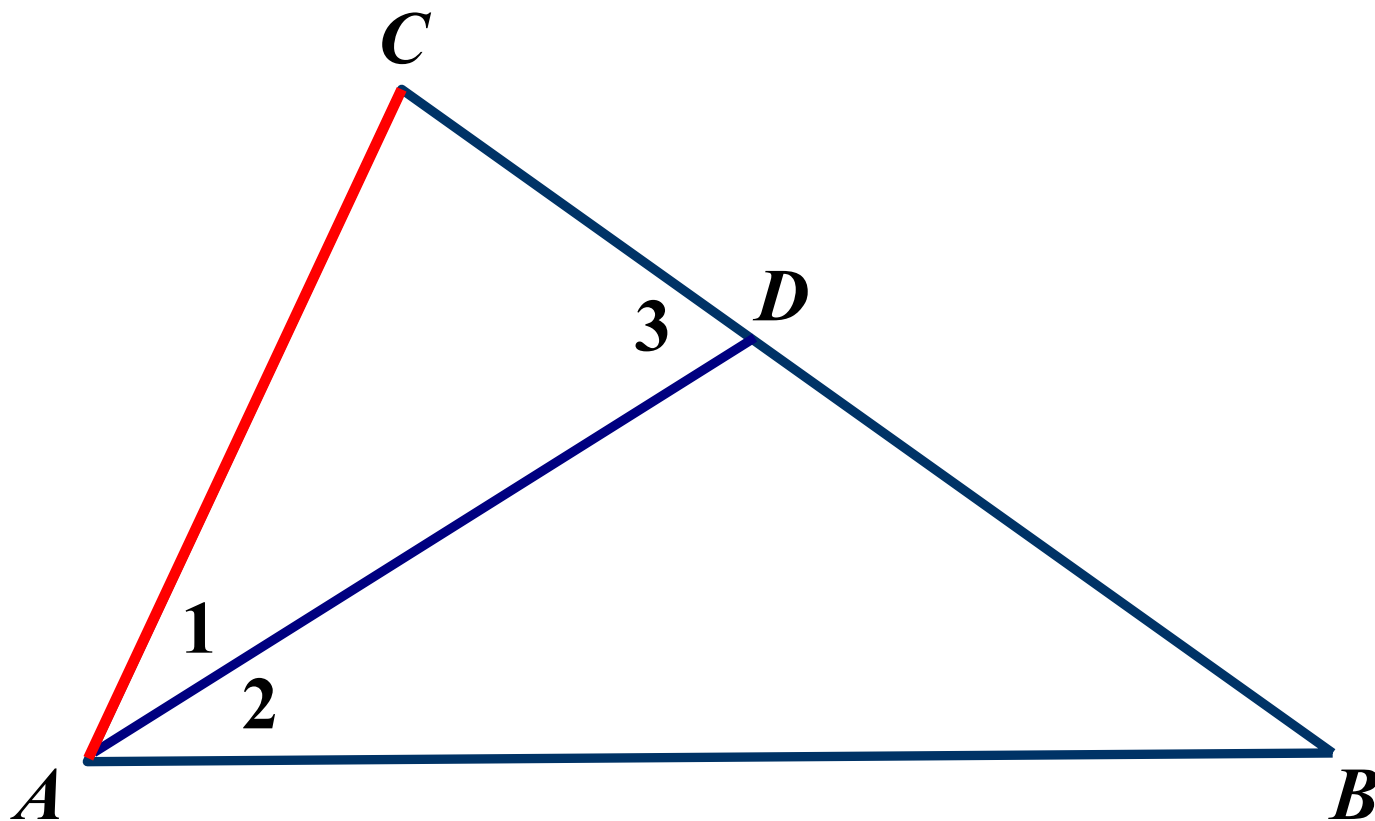
Дано:

$$\triangle ABC, \angle 3 = \angle 1 + \angle 2$$

$$CD = 4, BC = 9$$

Найти:

AC



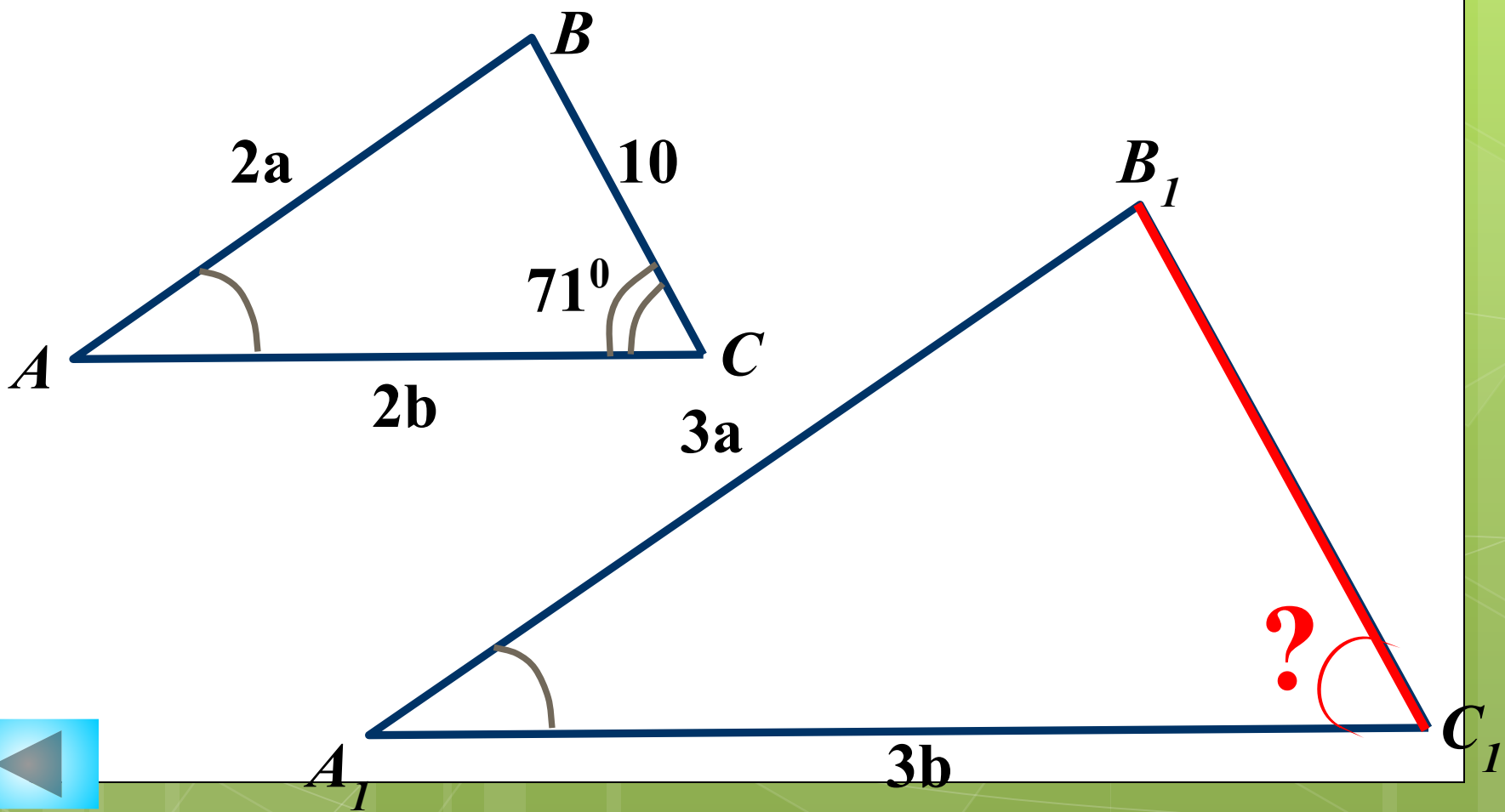
25.

Дано:

$\triangle ABC, \triangle A_1B_1C_1$

Найти:

$\angle C_1, B_1C_1$



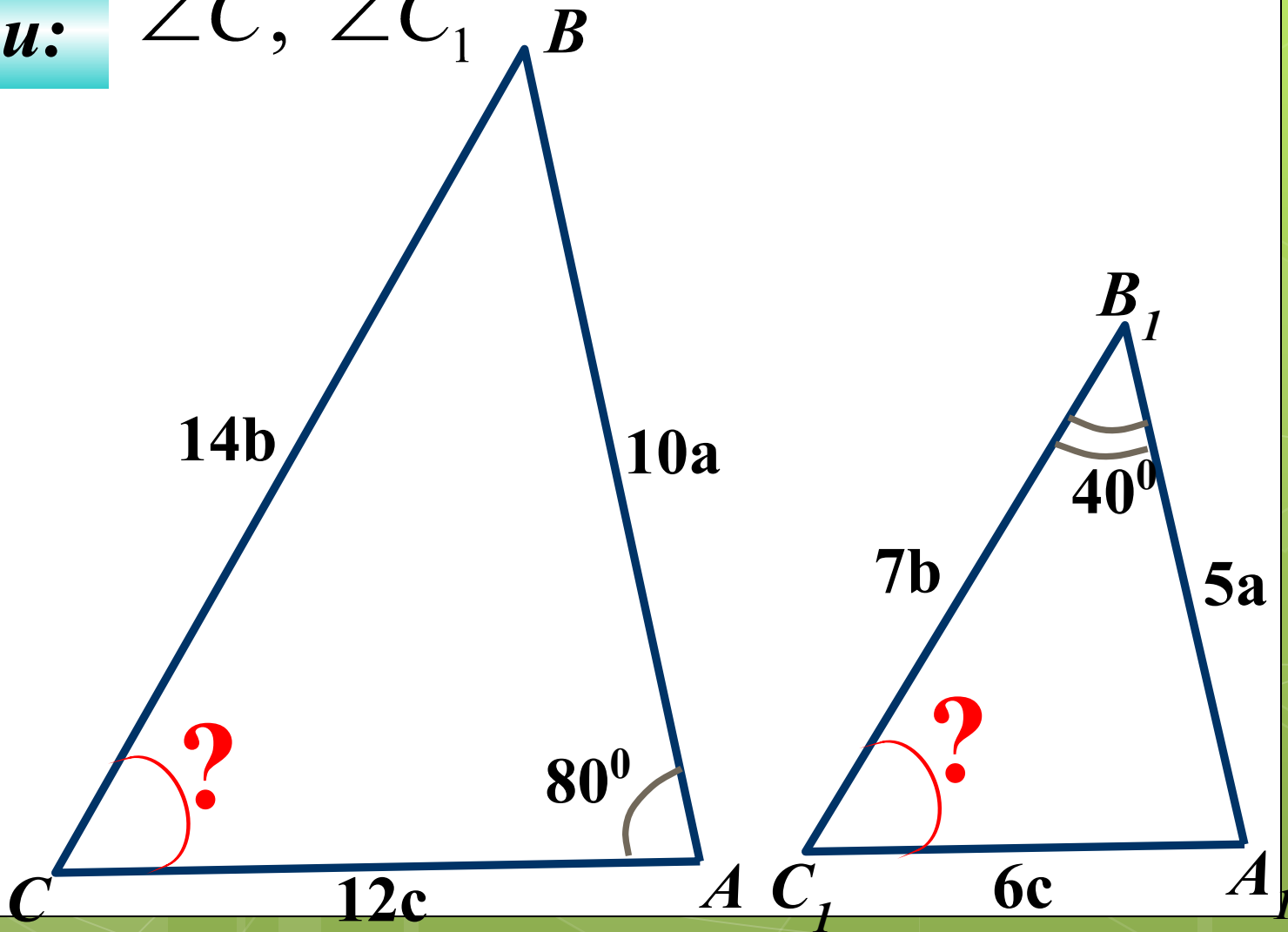
26.

Дано:

$\triangle ABC, \triangle A_1B_1C_1$

Найти:

$\angle C, \angle C_1$

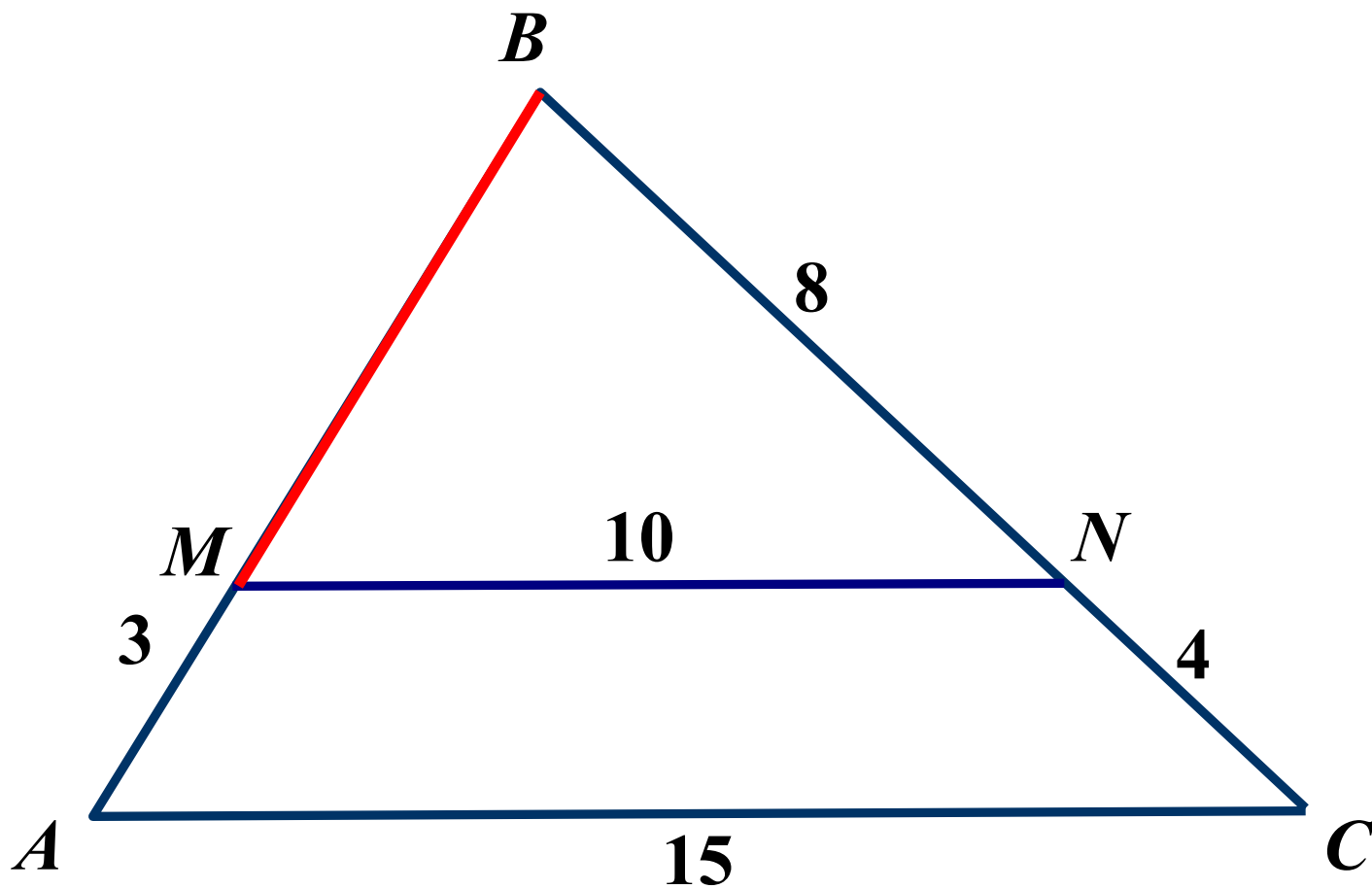


27.

Дано:

$\triangle ABC, \triangle MBN$

Найти: BM



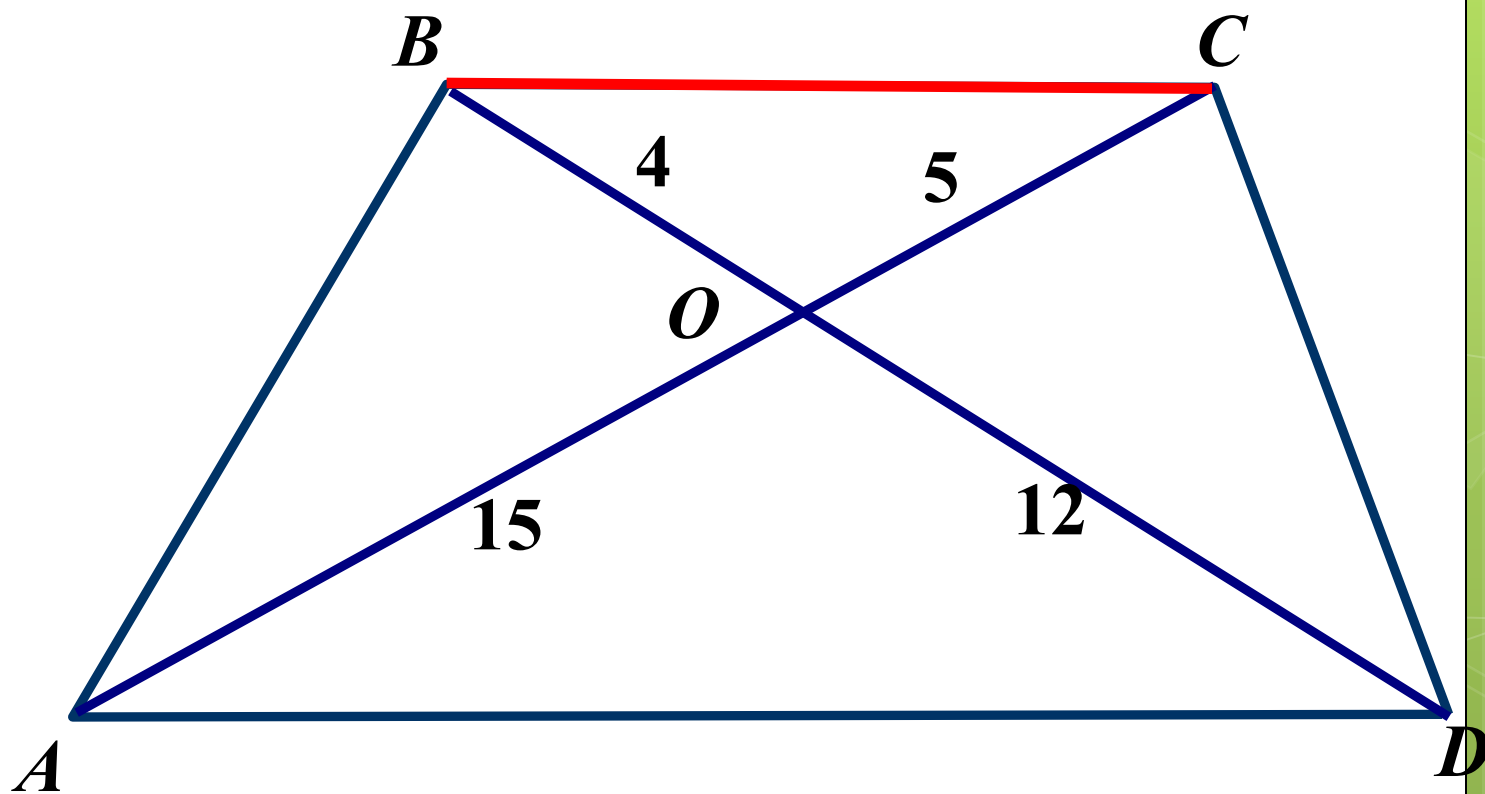
28.

Дано:

ABCD – трапеция

Найти:

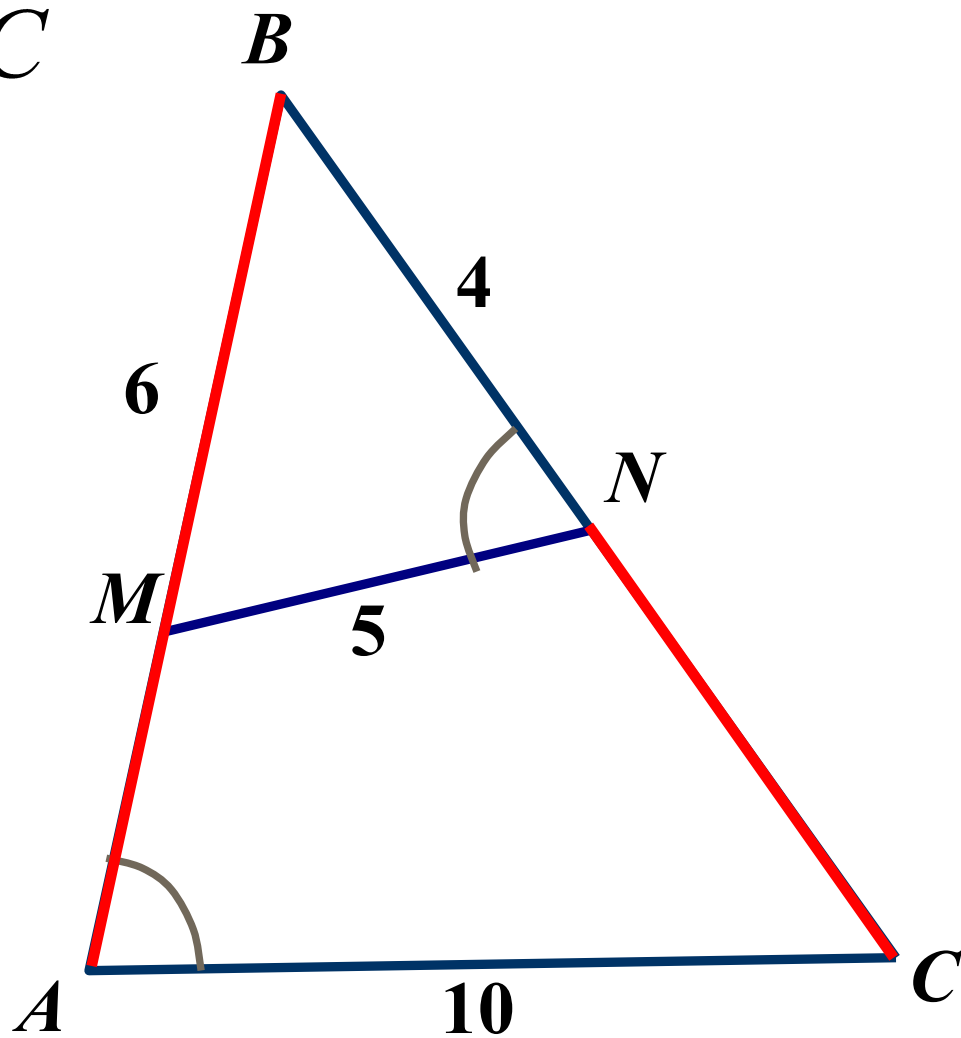
BC



29.

Дано: $\triangle ABC$

Найти: AB, NC



30.

Дано:

$\triangle ABC, MN \parallel AC$

Найти:

$$AC \quad S_{ABC} : S_{BNM} = 49 : 25$$

