

Решение задач на готовых чертежах. Подобные треугольники

Геометрия. 8 класс.

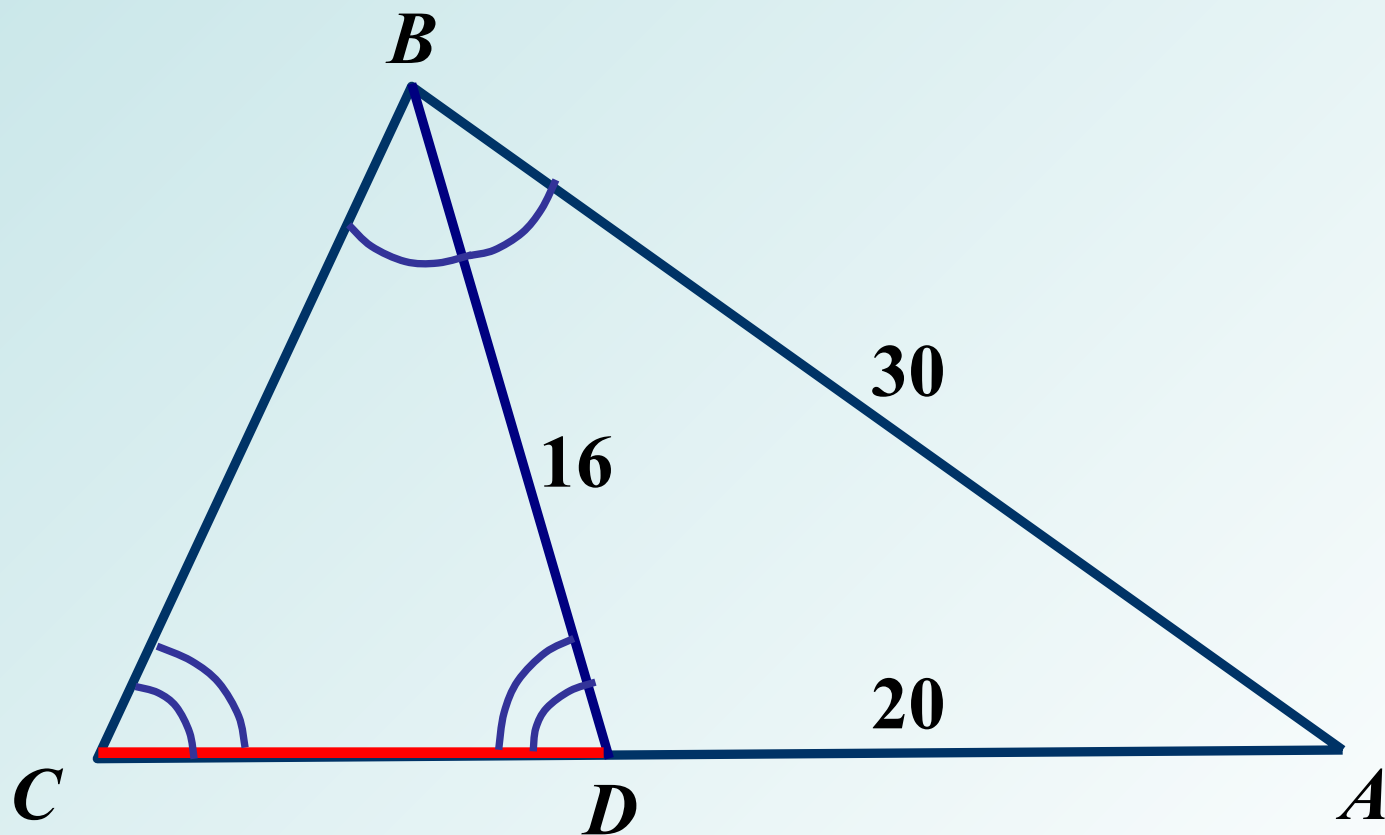
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1.

Дано: $\triangle ABC$

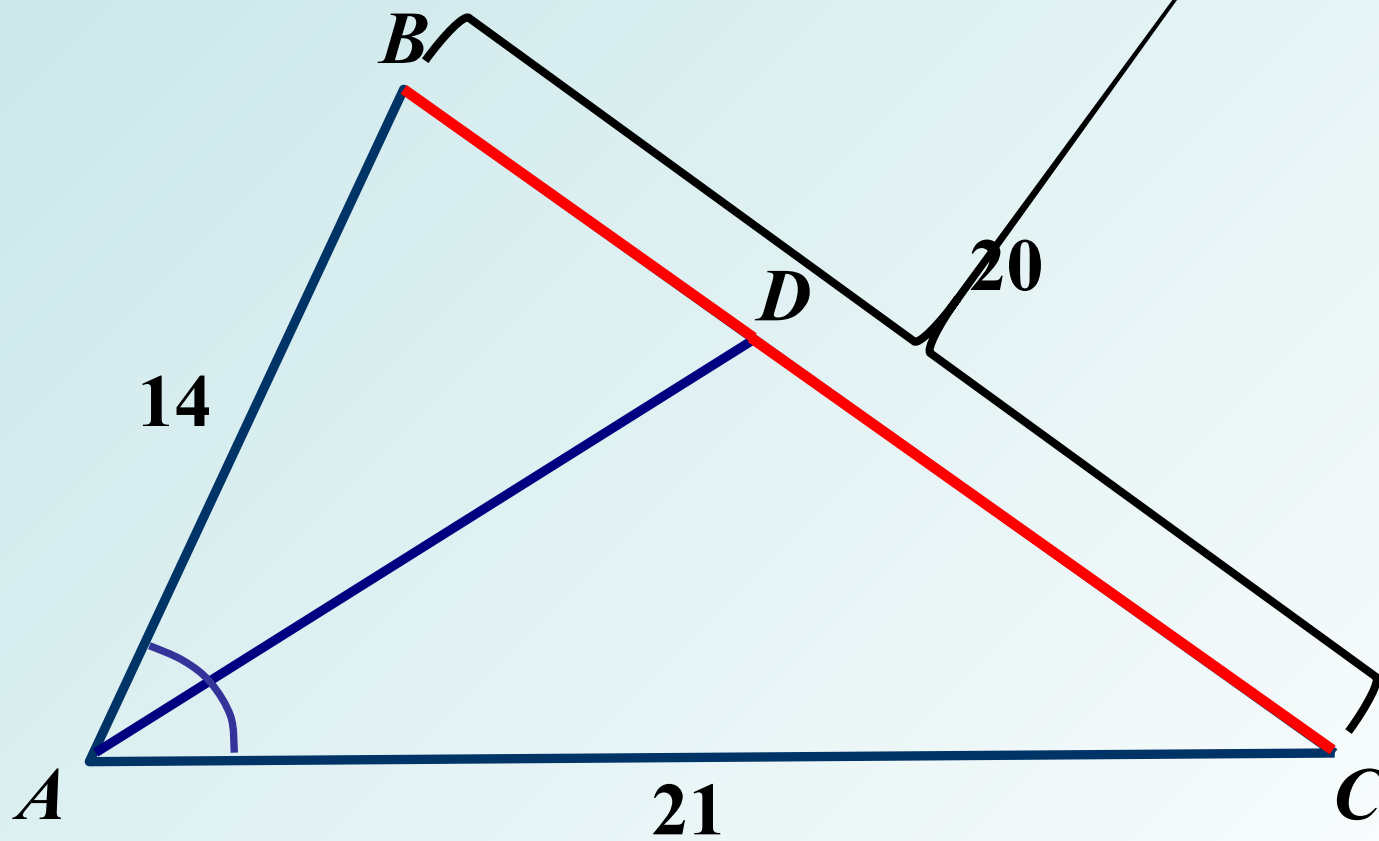
Найти: DC



2.

Дано: $\triangle ABC$

Найти: BD, DC



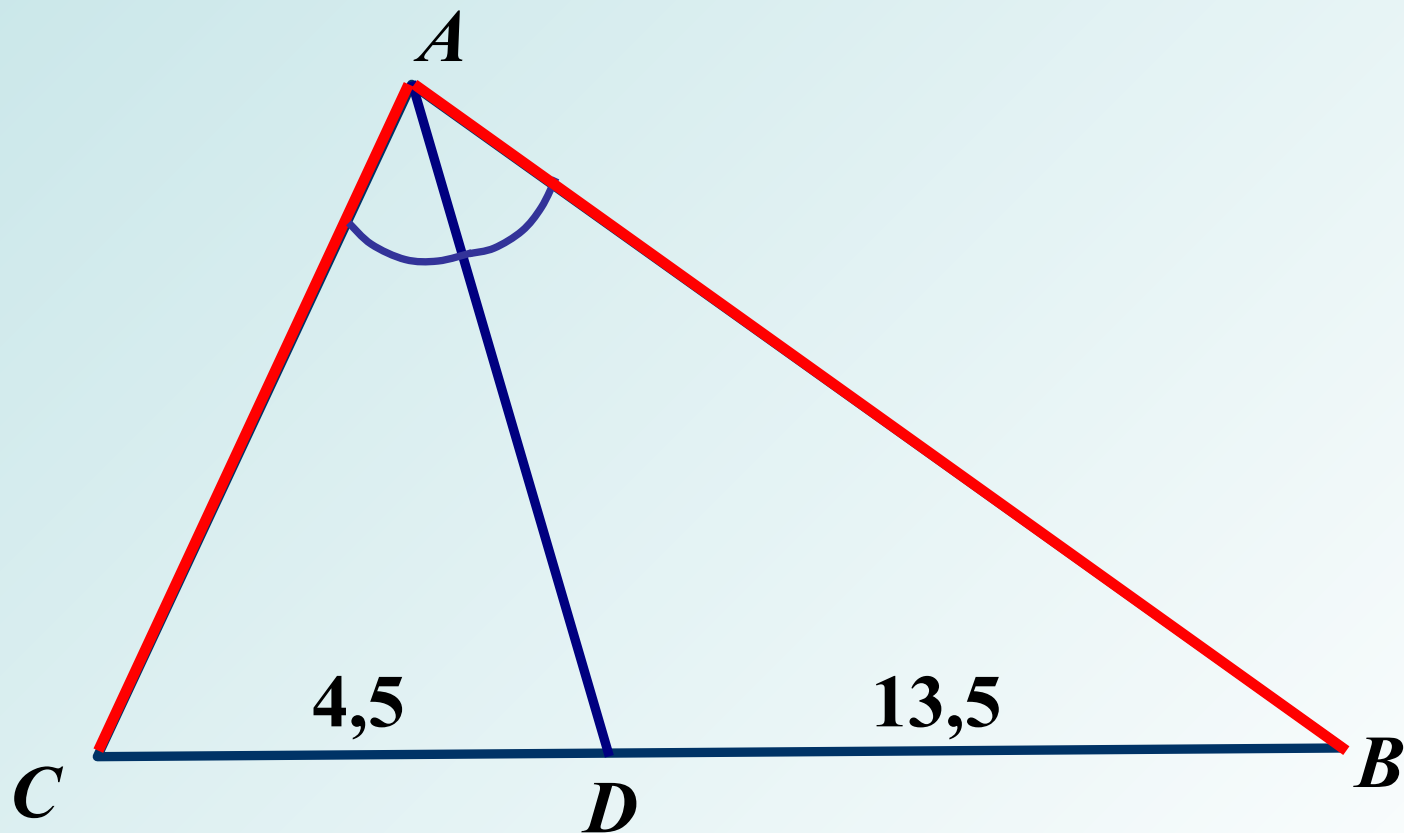
3.

Дано:

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

Найти:

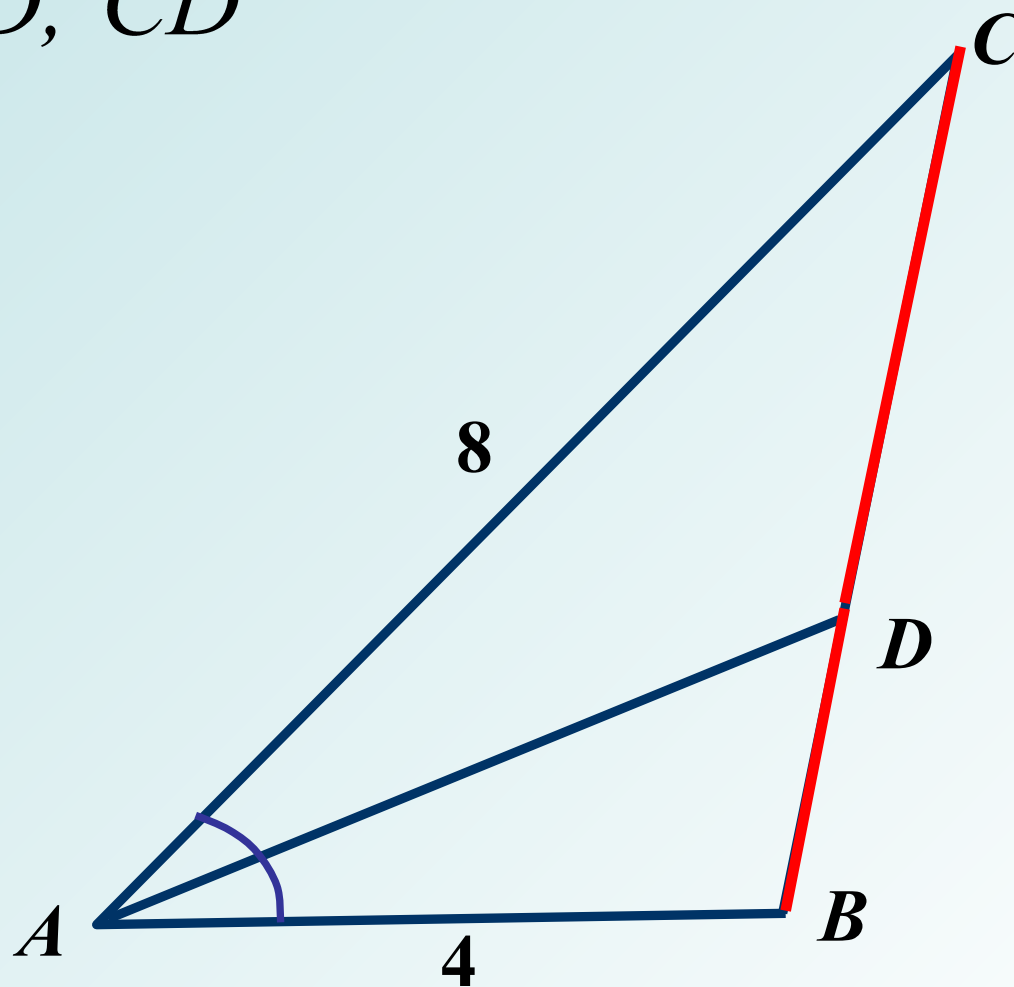
AC, AB



9.

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

Найти: BD , CD



14.

Дано:

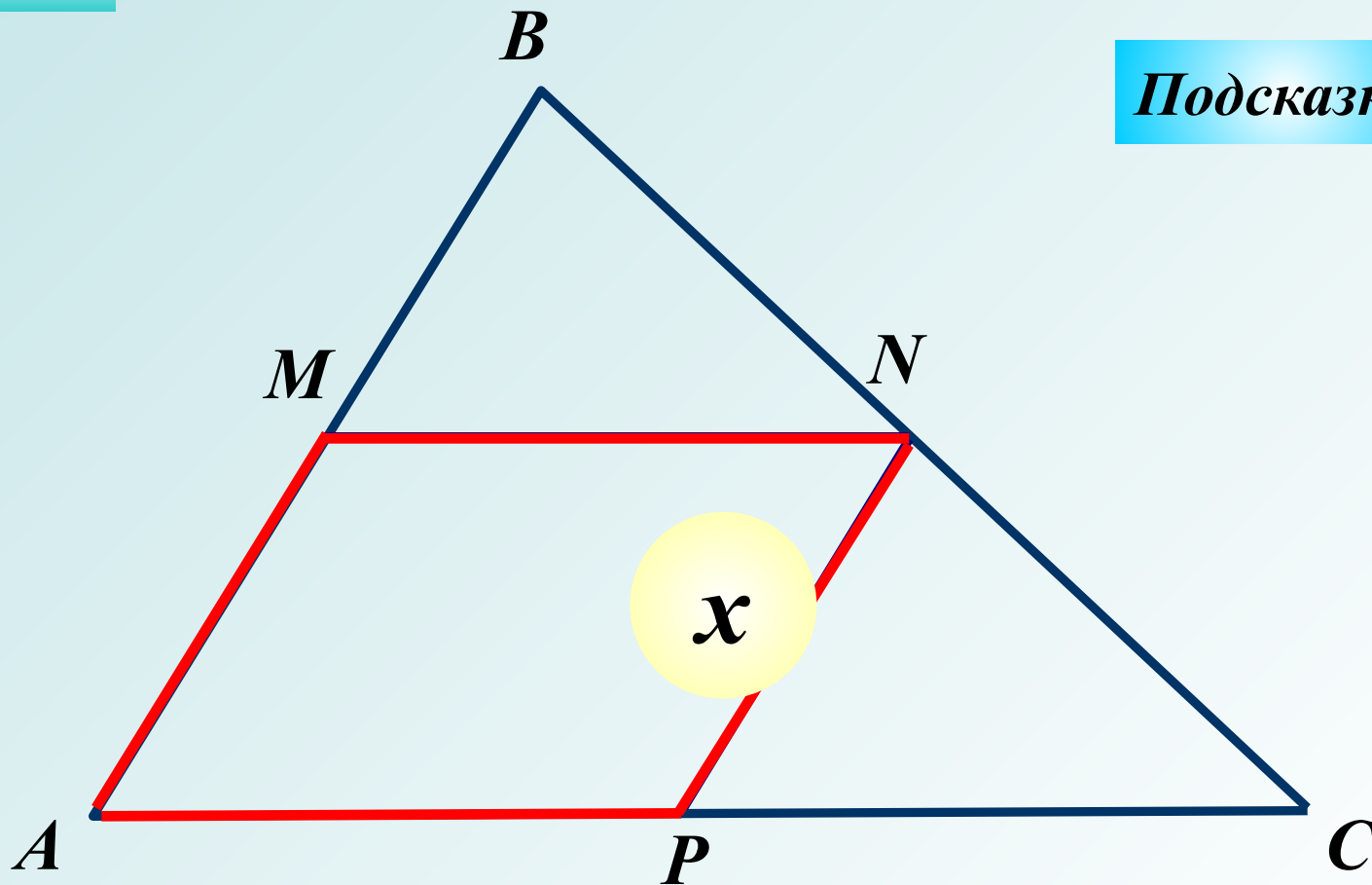
$$AB = 10\text{см}, AC = 15\text{см}$$

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

Найти:

$$AM, MN, NP, AP$$

Подсказка.



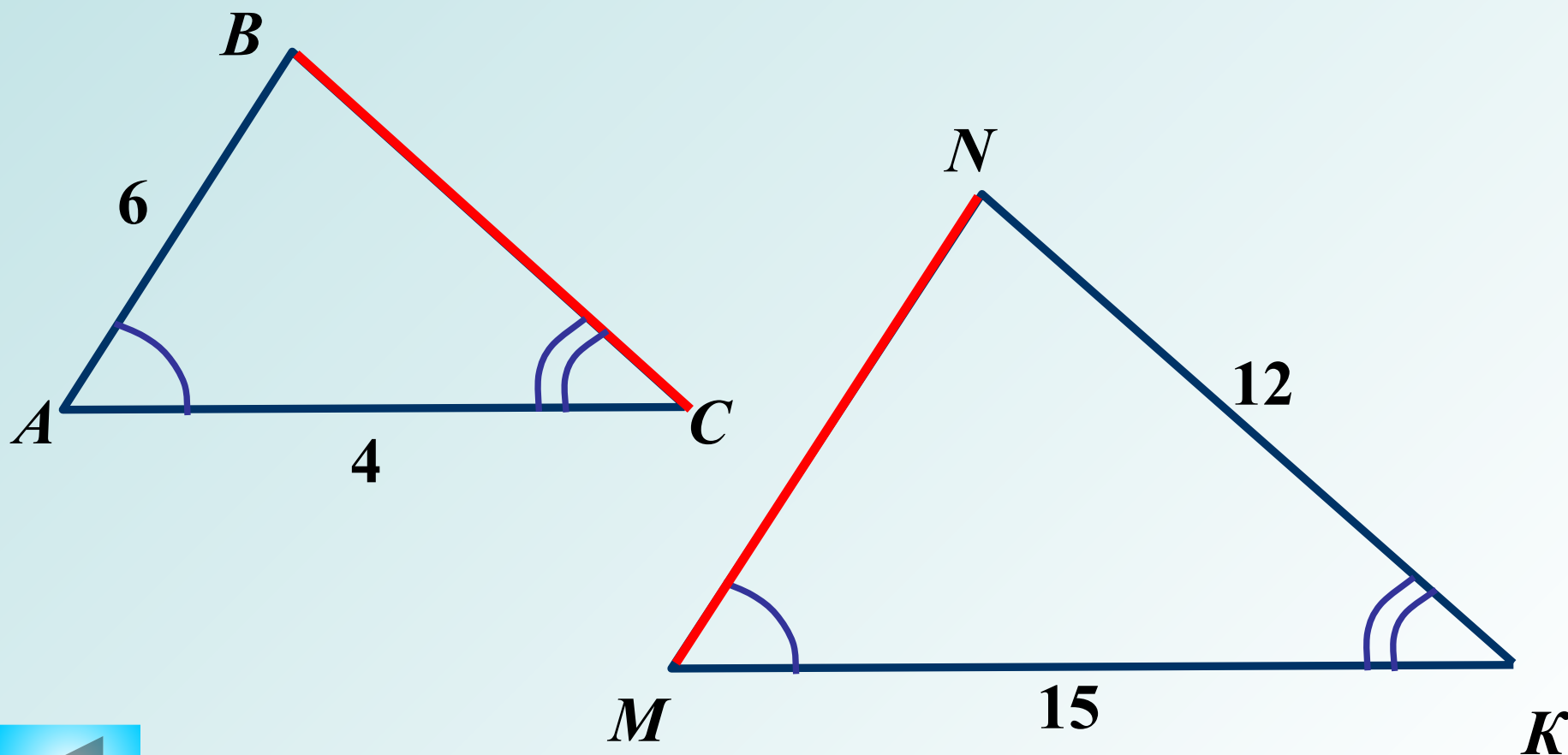
15.

Дано:

$\triangle ABC, \triangle MNK$

Найти:

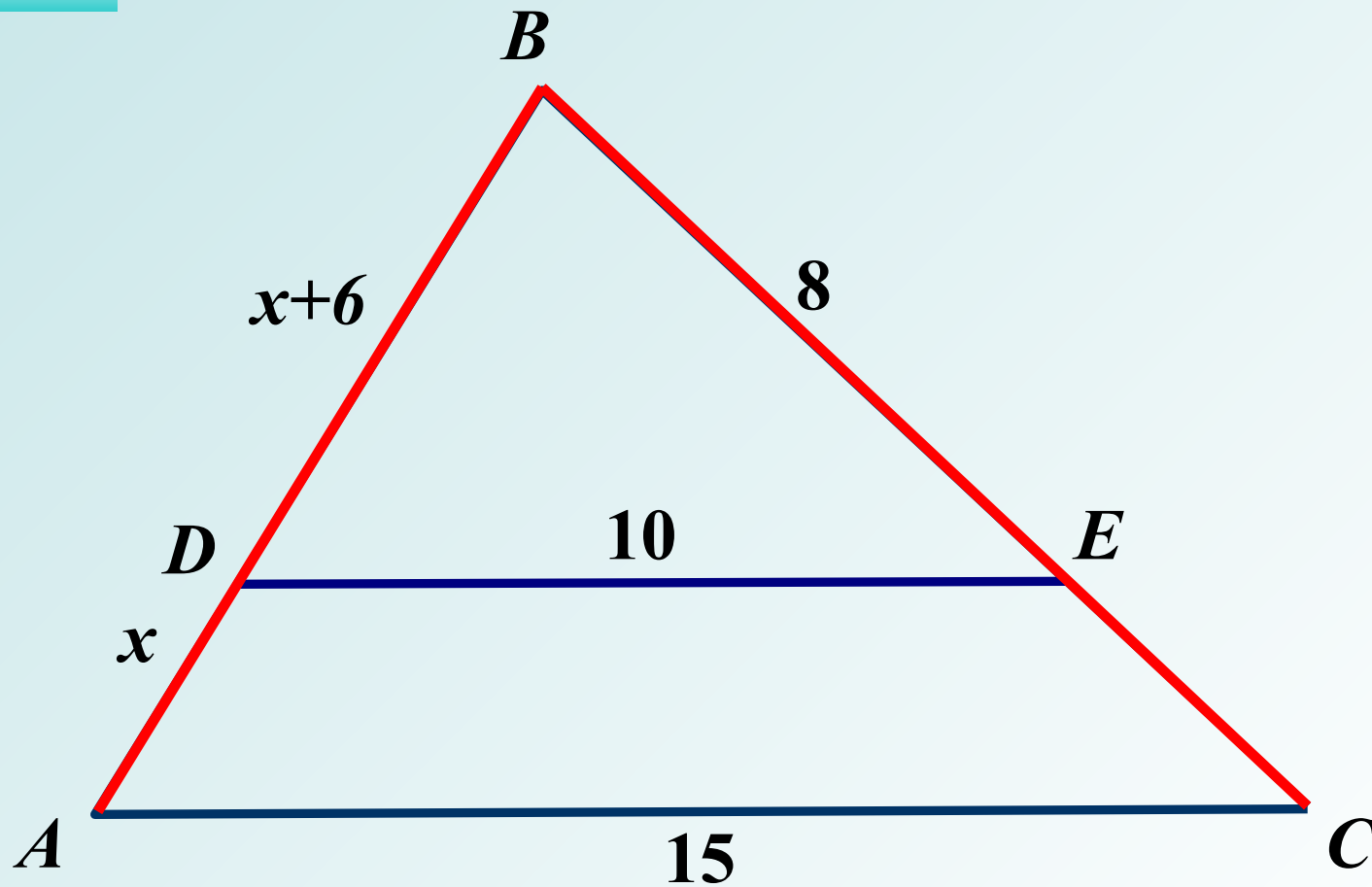
BC, MN



16.

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

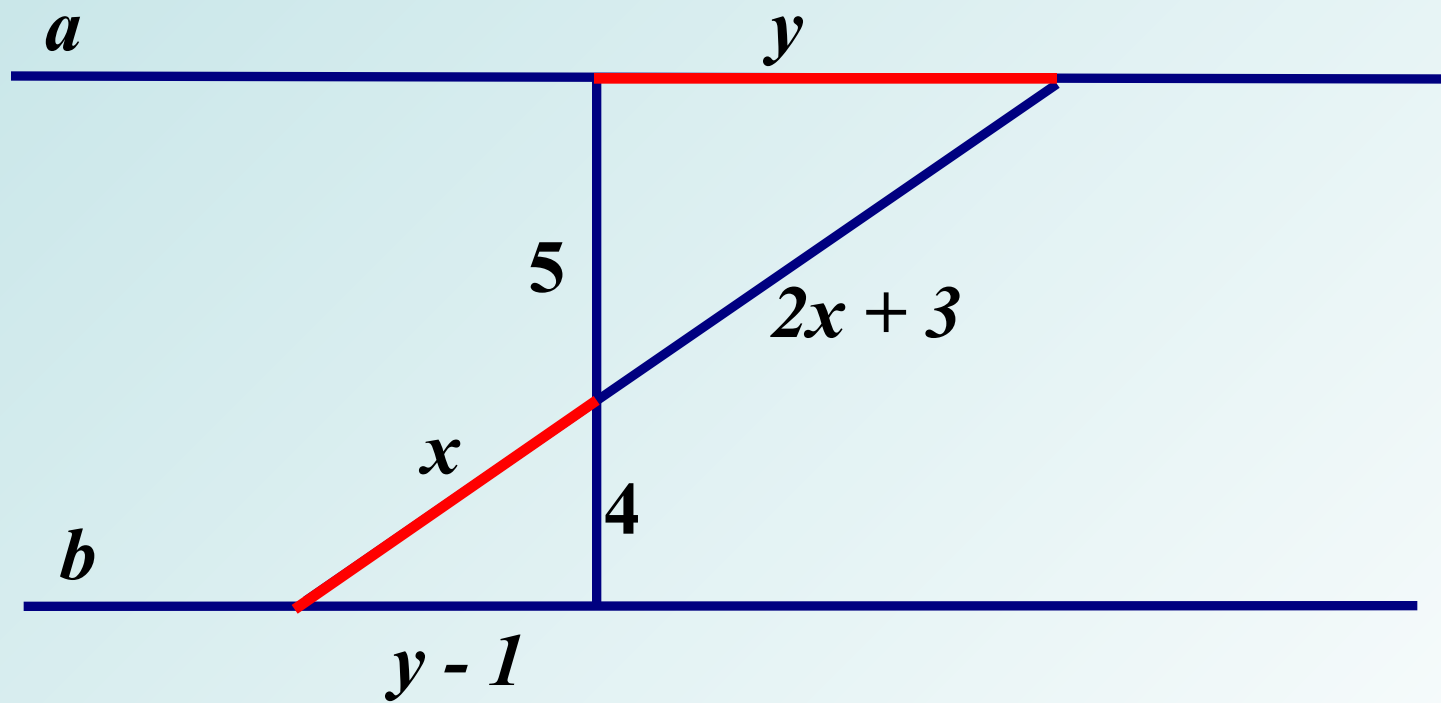
Найти: AB , BC



17.

Дано: $a \parallel b$

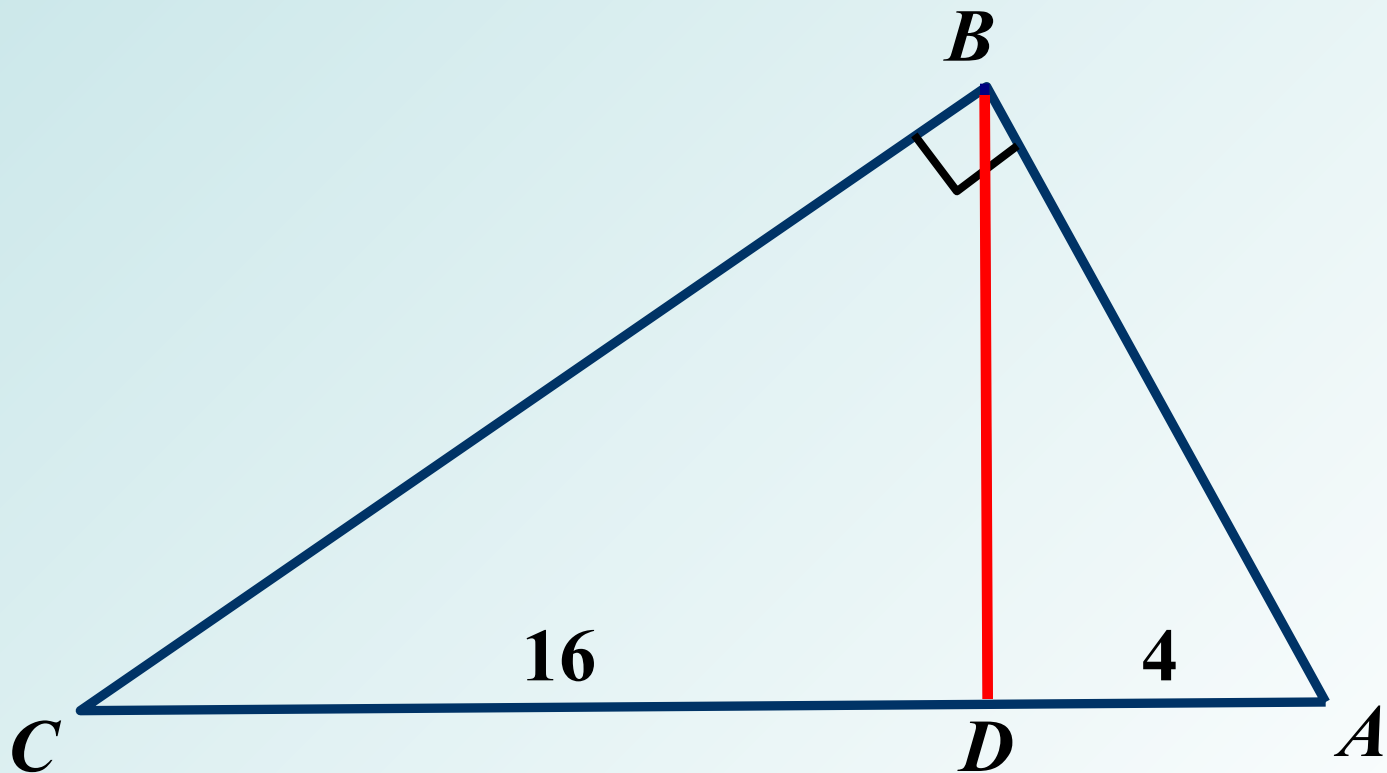
Найти: x, y



18.

Дано: $\triangle ABC$

Найти: BD

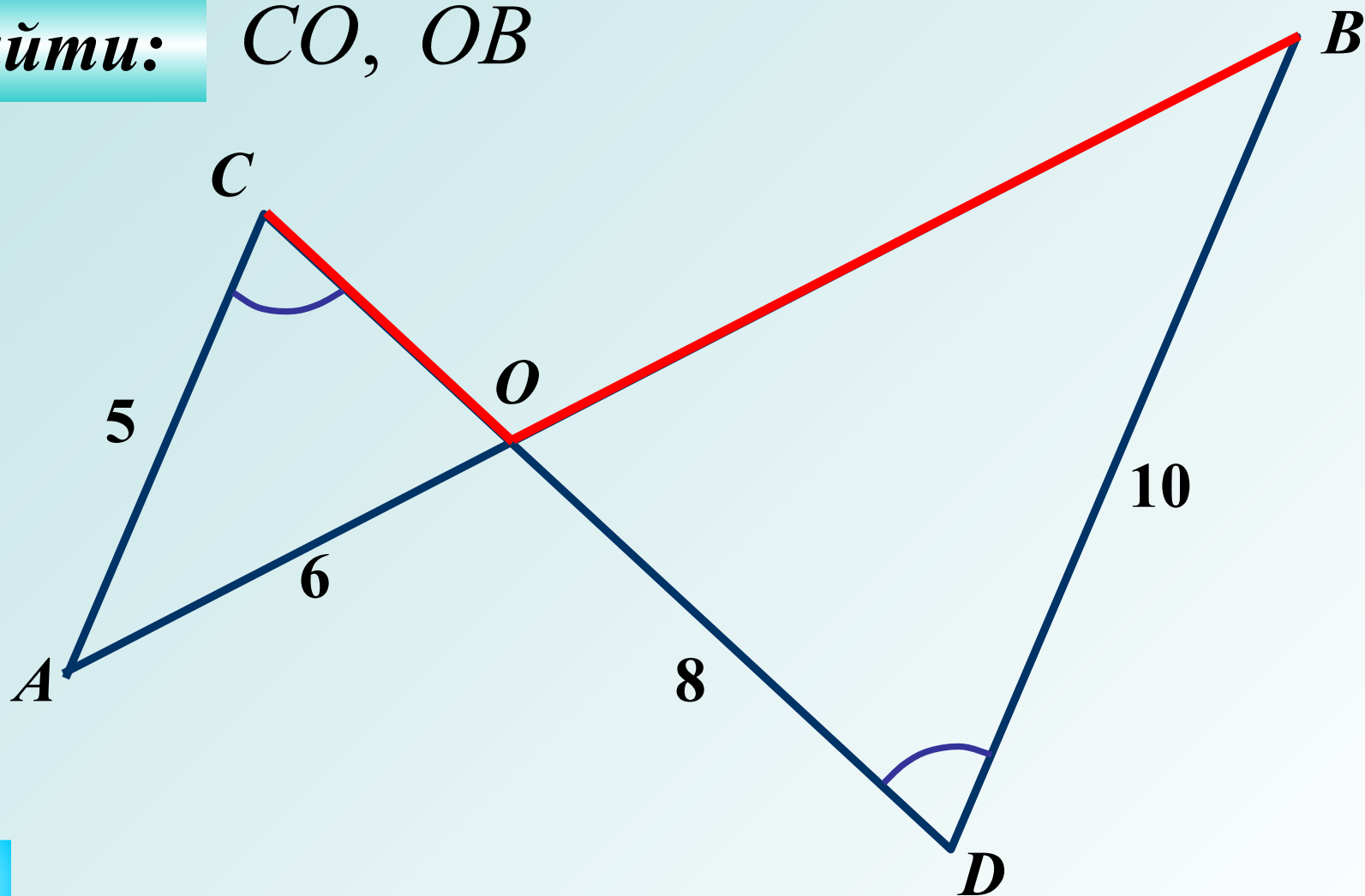


19.

Дано:

$AC \parallel BD$

Найти: CO , OB



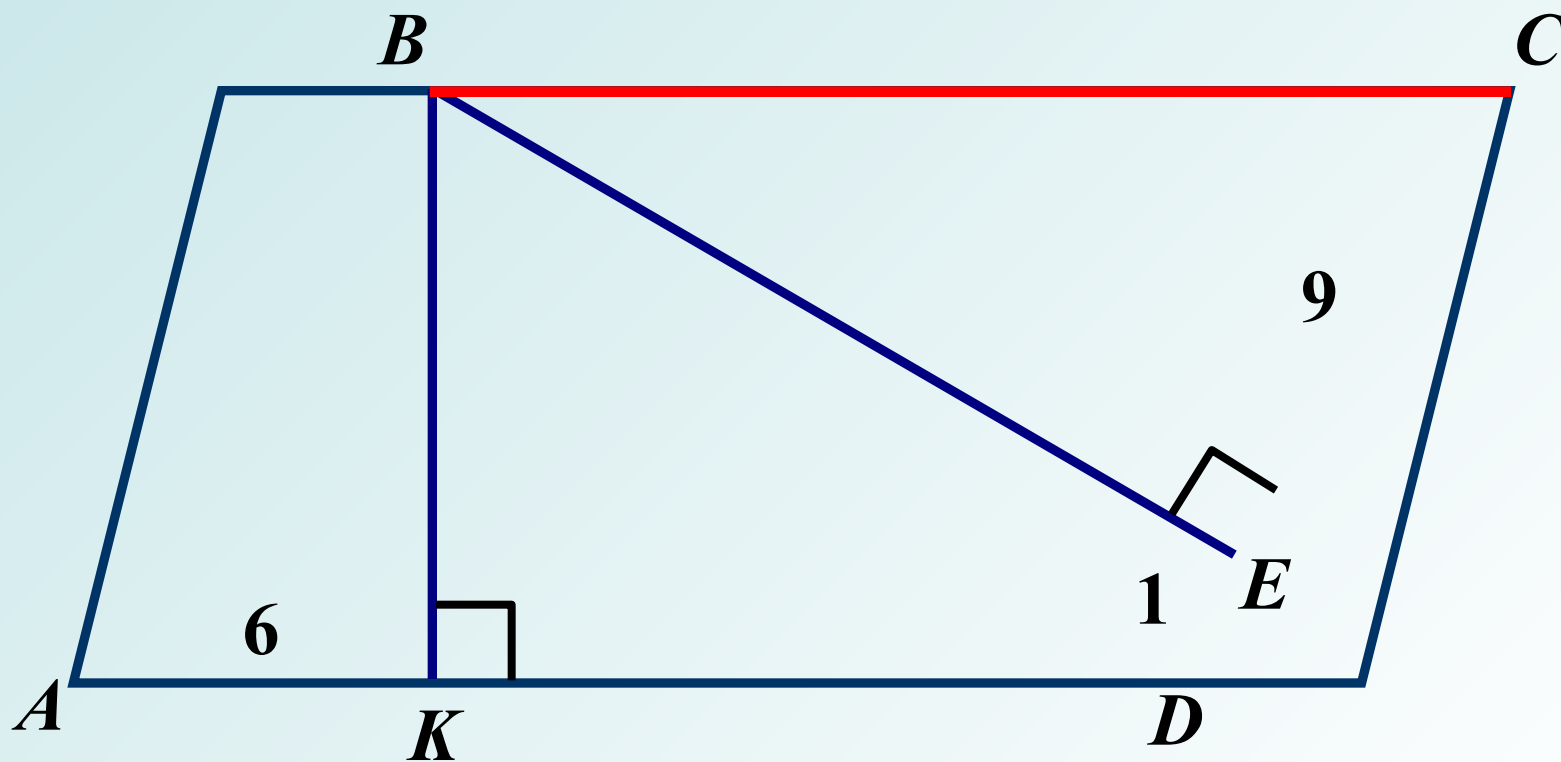
20.

Дано:

$ABCD$ – параллелограмм

Найти:

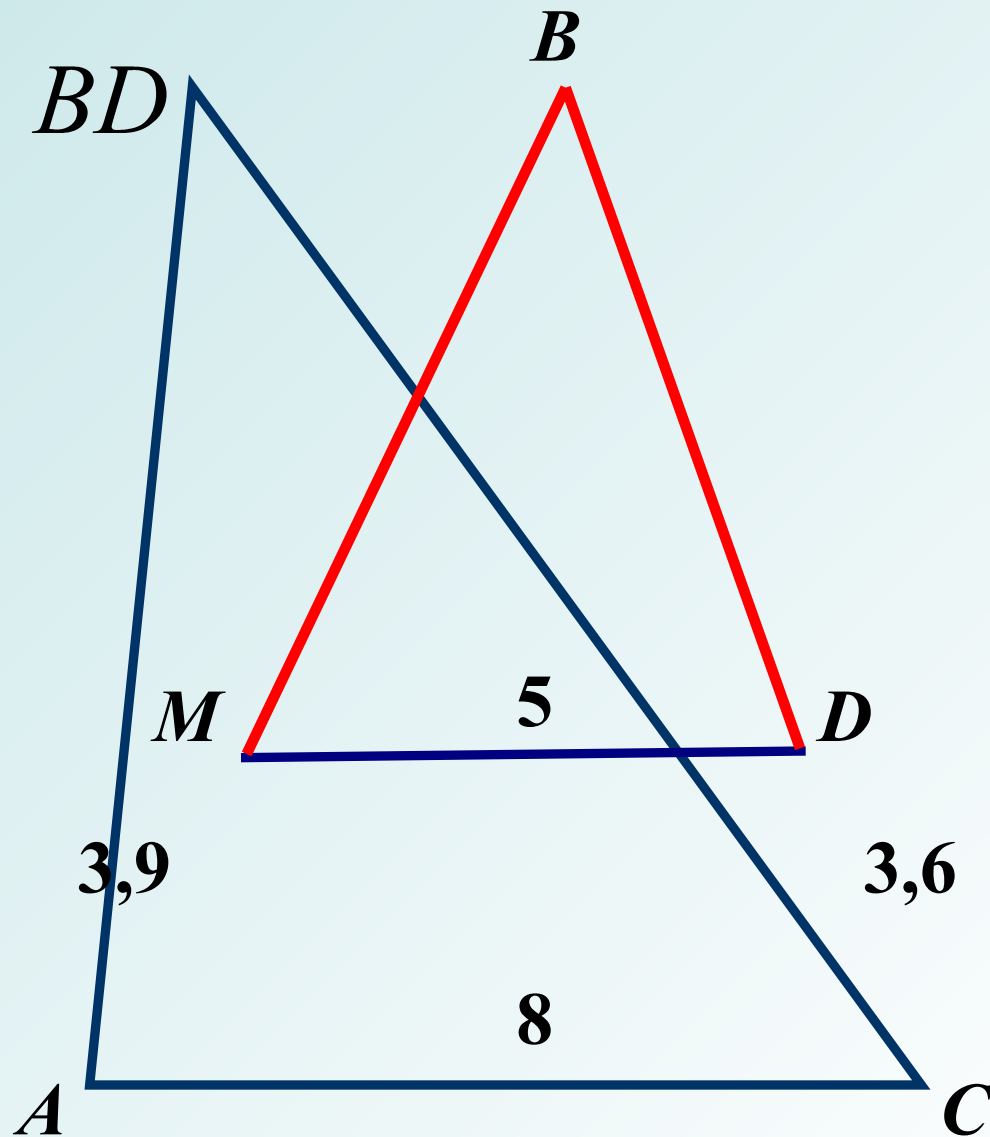
BC



21.

Дано: $AMMD$ – трапеция

Найти: BM , BD



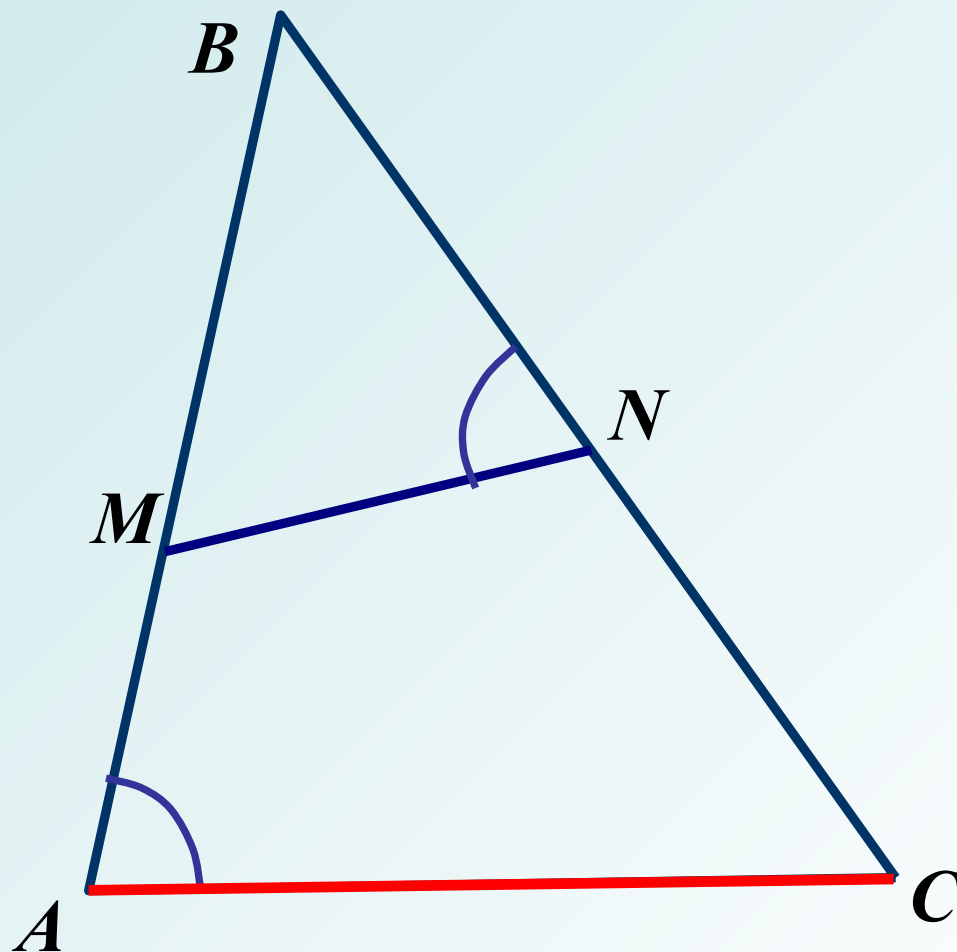
22.

Дано:

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

Найти:

AC

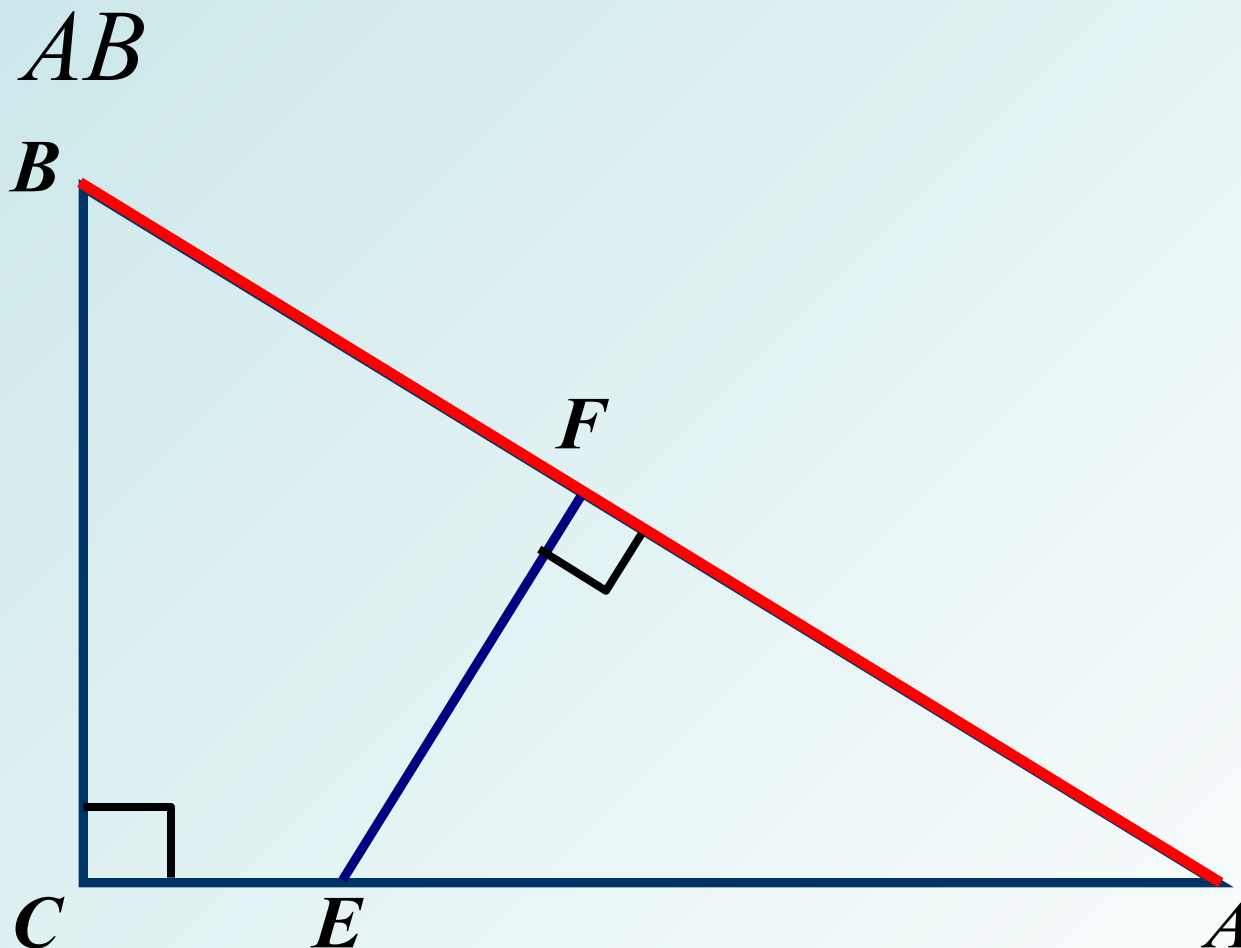


23.

Дано:

$\triangle ABC$, $BC \perp AC$, $EF \perp AB$
 $BC = 12$, $AE = 10$, $EF = 6$

Найти:



24.

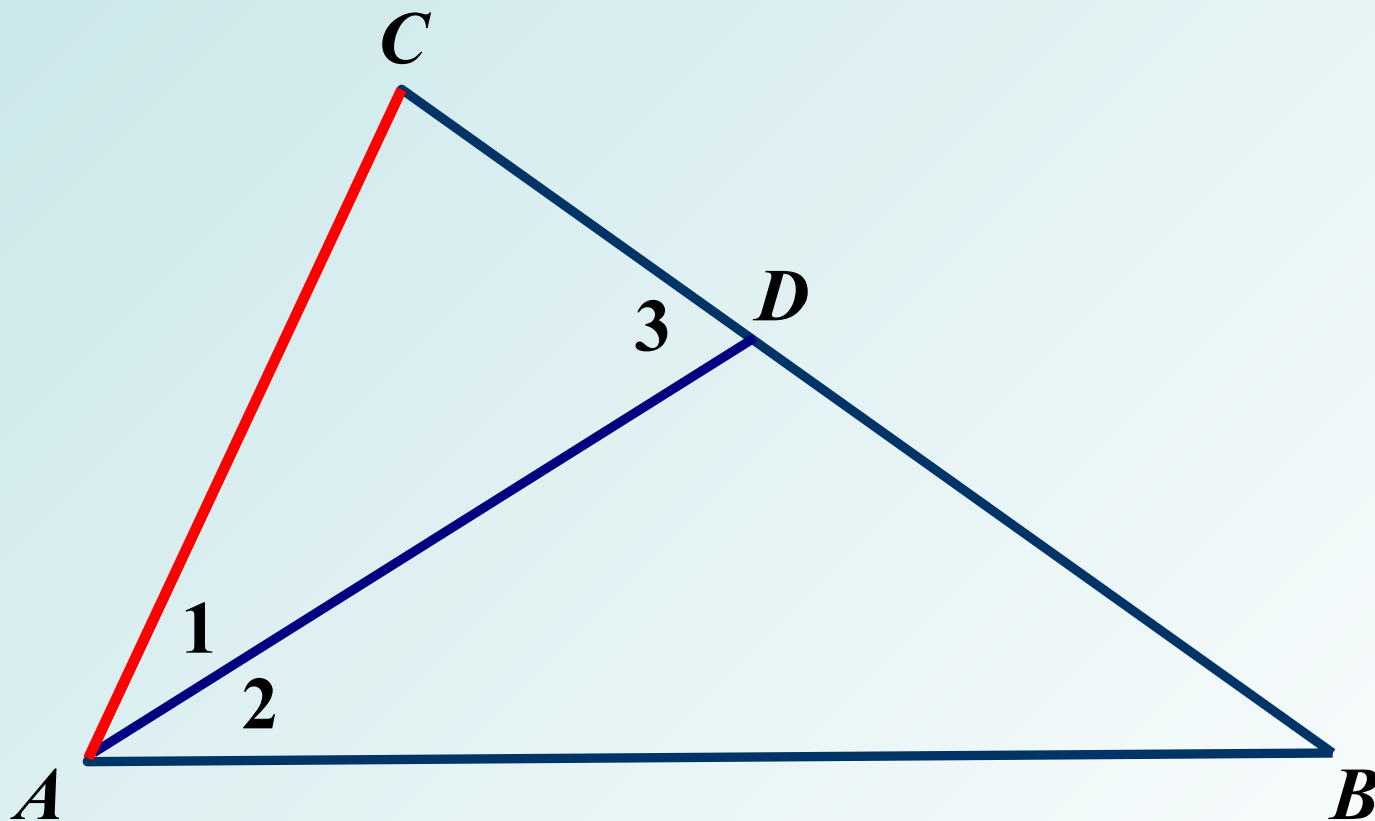
Дано:

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

$$CD = 4, BC = 9$$

Найти:

AC



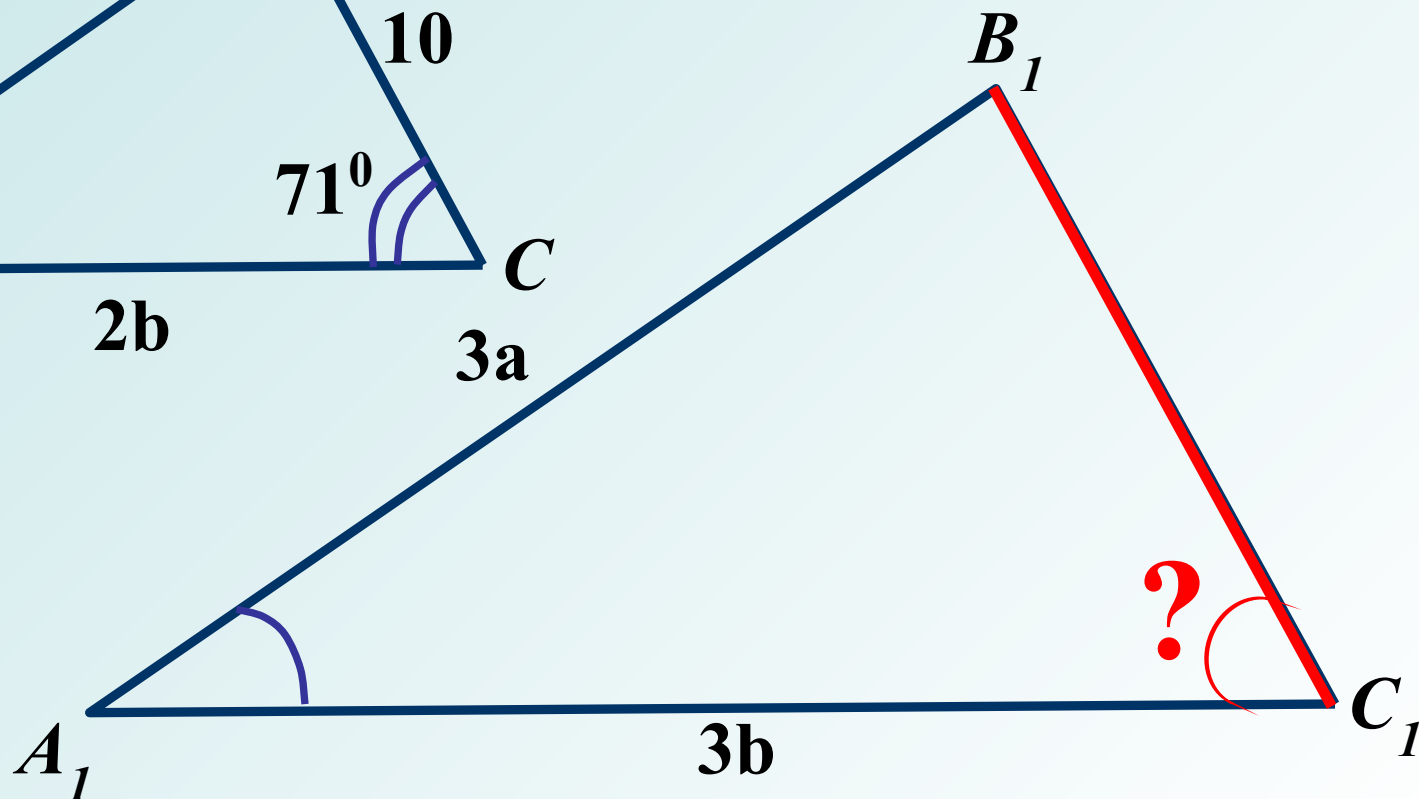
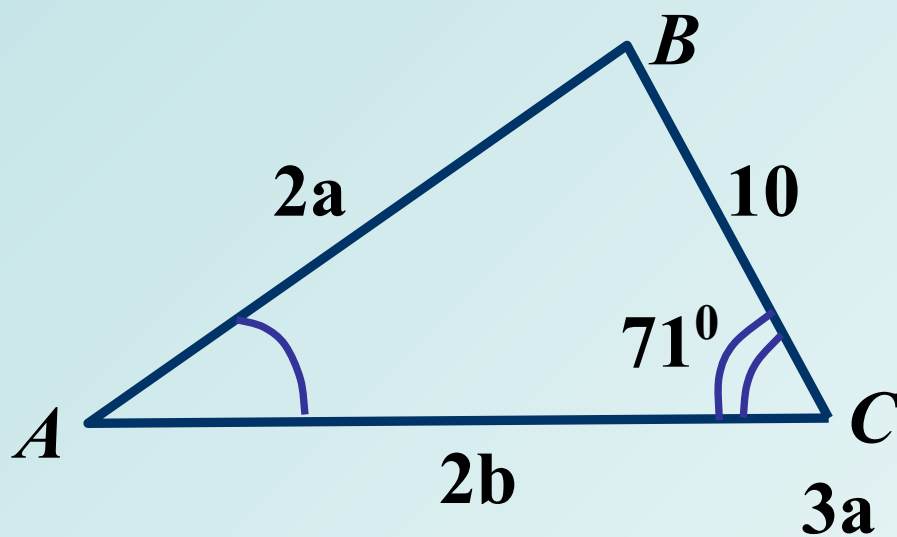
25.

Дано:

$\triangle ABC, \triangle A_1B_1C_1$

Найти:

$\angle C_1, B_1C_1$



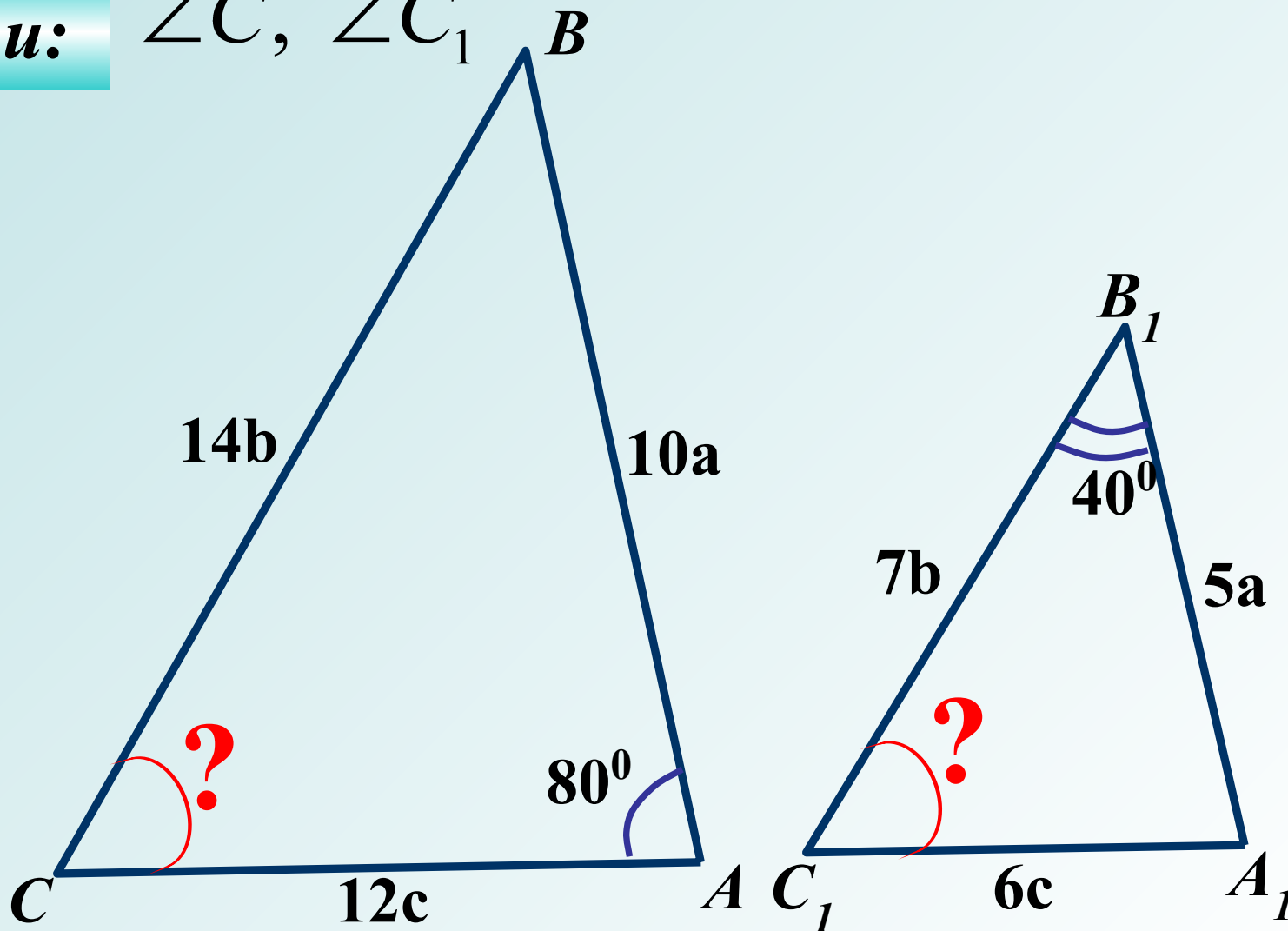
26.

Дано:

$\triangle ABC, \triangle A_1B_1C_1$

Найти:

$\angle C, \angle C_1$



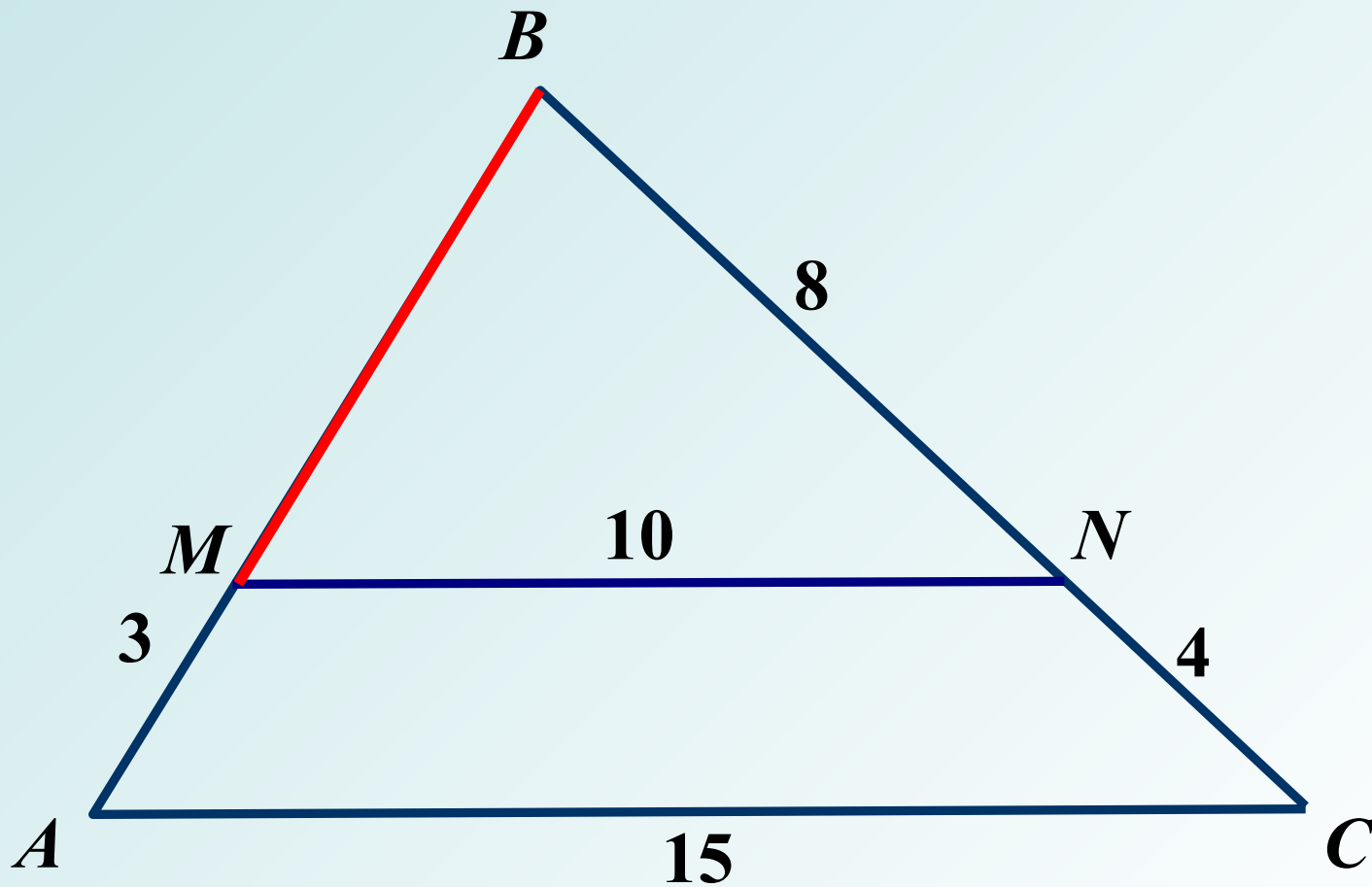
27.

Дано:

$\triangle ABC$, $\triangle MBN$

Найти:

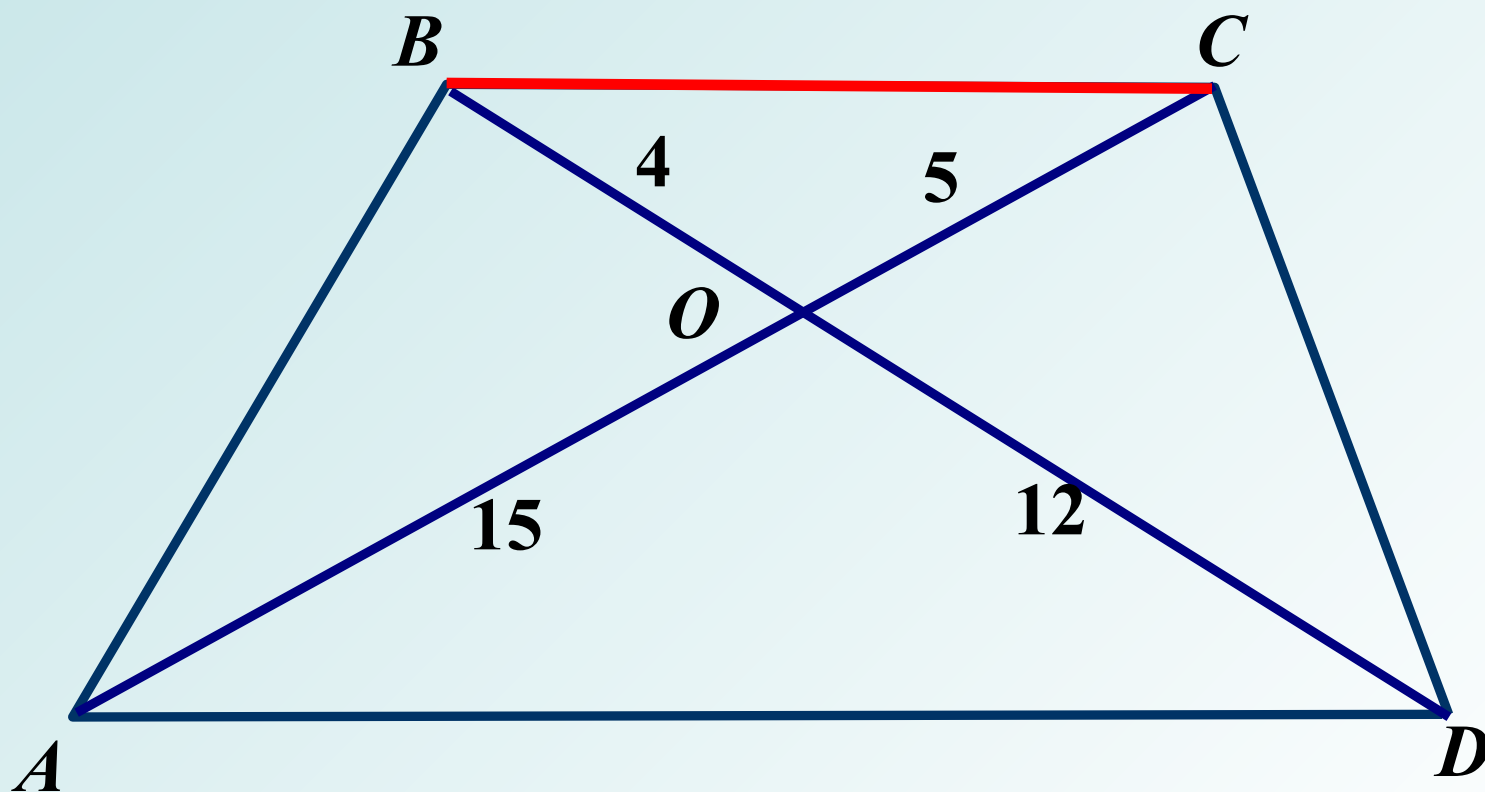
BM



28.

Дано: $ABCD$ – трапеция

Найти: BC



29.

Дано: $\triangle ABC$

Найти: AB, NC

