Задачи на готовых чертежах

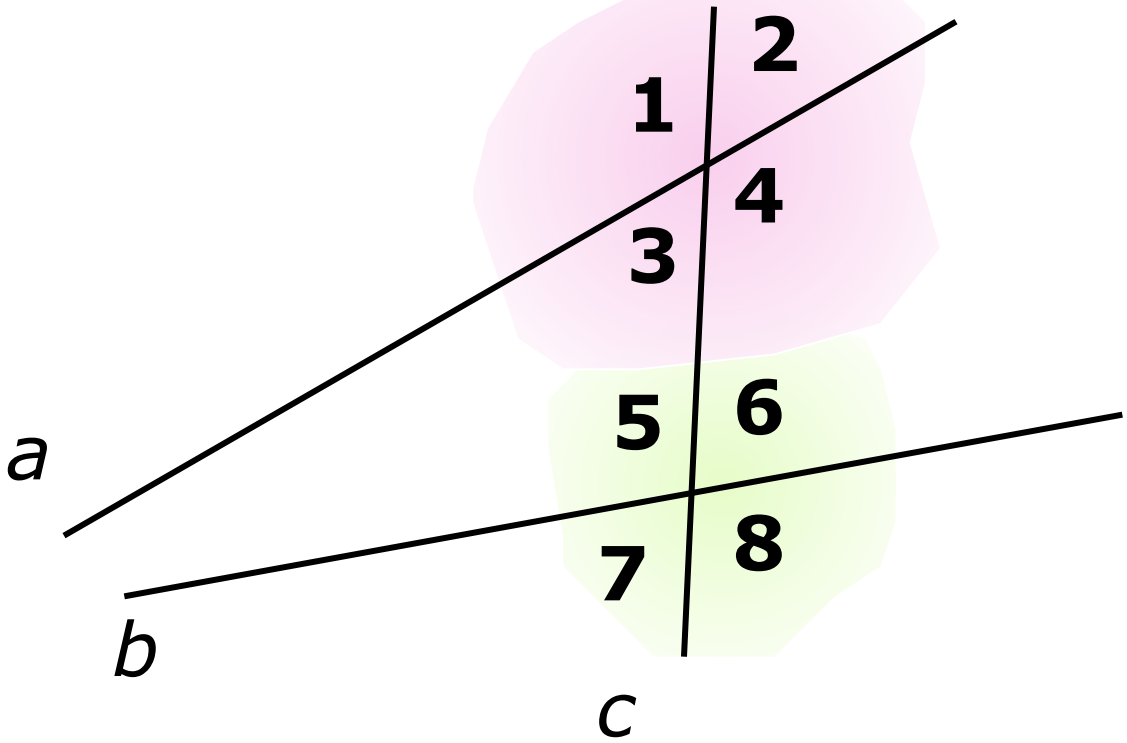
Параллельные прямые

1 Свойства параллельных прямых

2 Признаки параллельных прямых

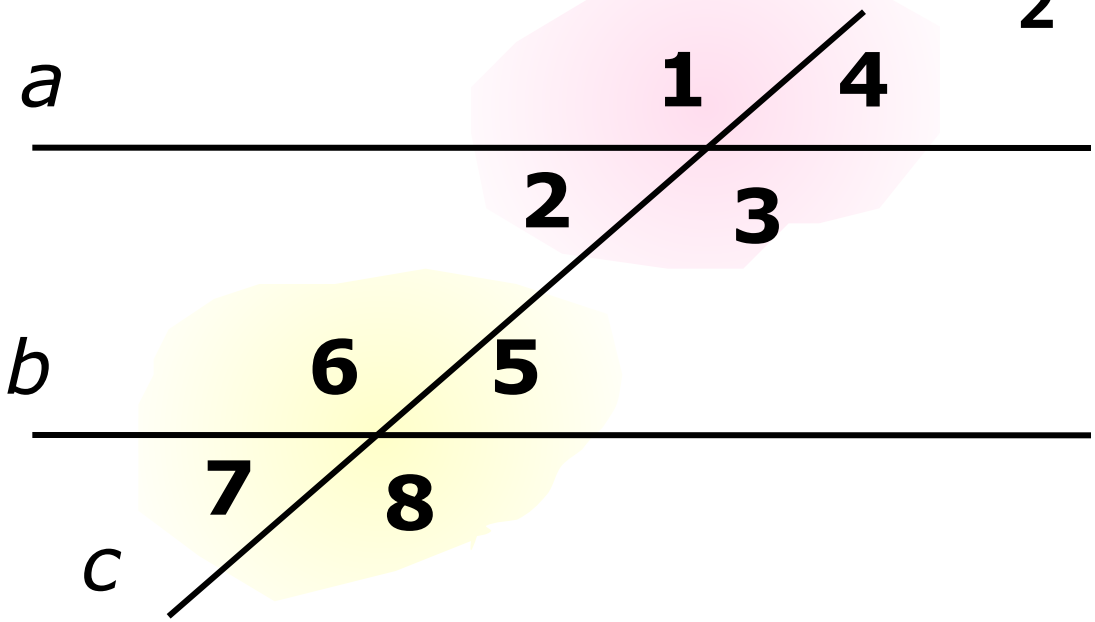
3 Комбинированные

Задача 1



Назовите односторонние, накрест лежащие, соответственные углы.

Задача 2



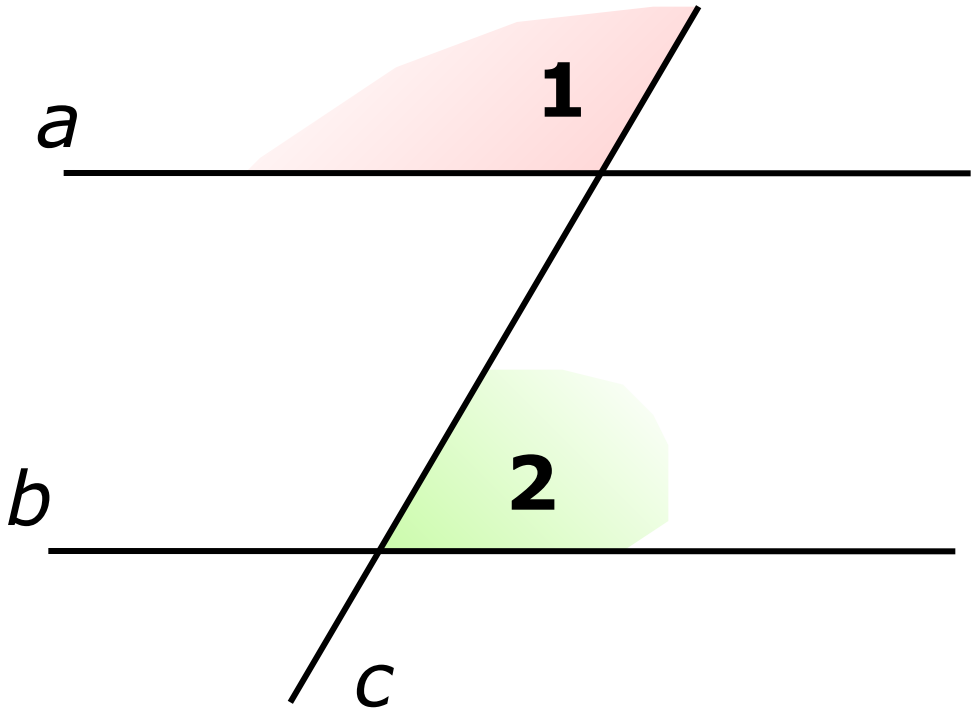
a || *b*, *c*-секущая

$\angle 1 = 58^0$

Найти: $\angle 1, \angle 3, \angle 4,$

$\angle 5, \angle 6, \angle 7, \angle 9$

Задача 3



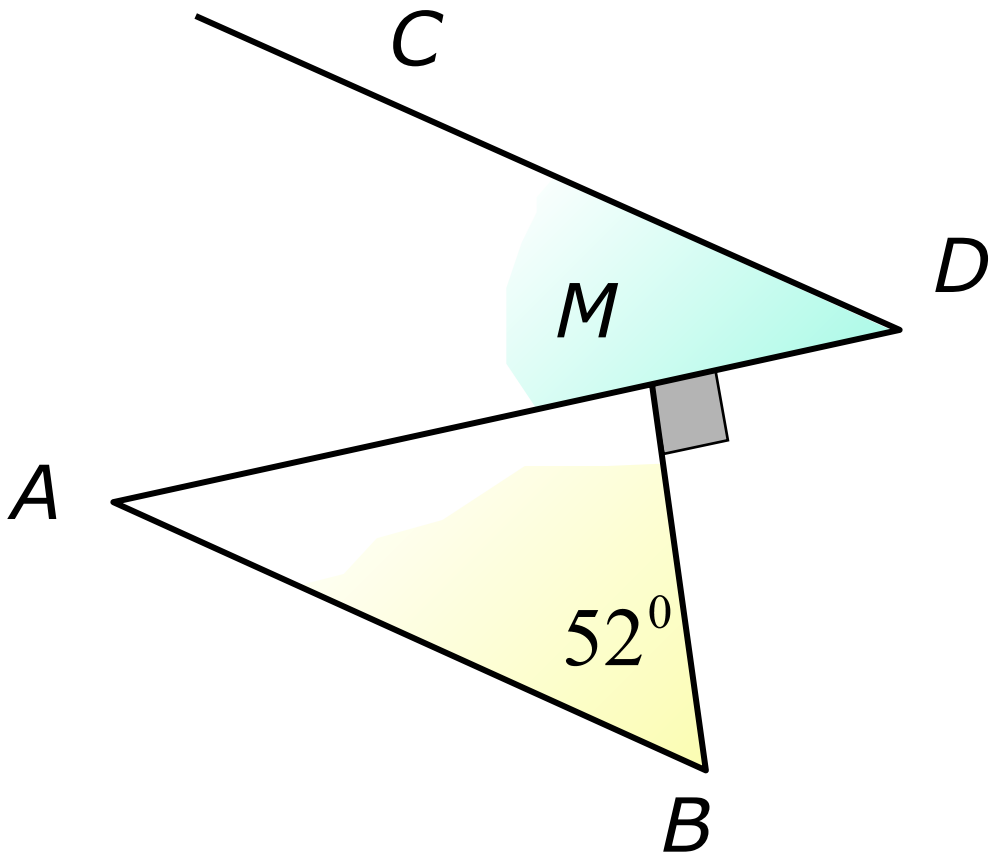
$a \parallel b$, c-секущая

$\angle 1 : \angle 2 = 7 : 2$

Найти $\angle 1, \angle 2$

:

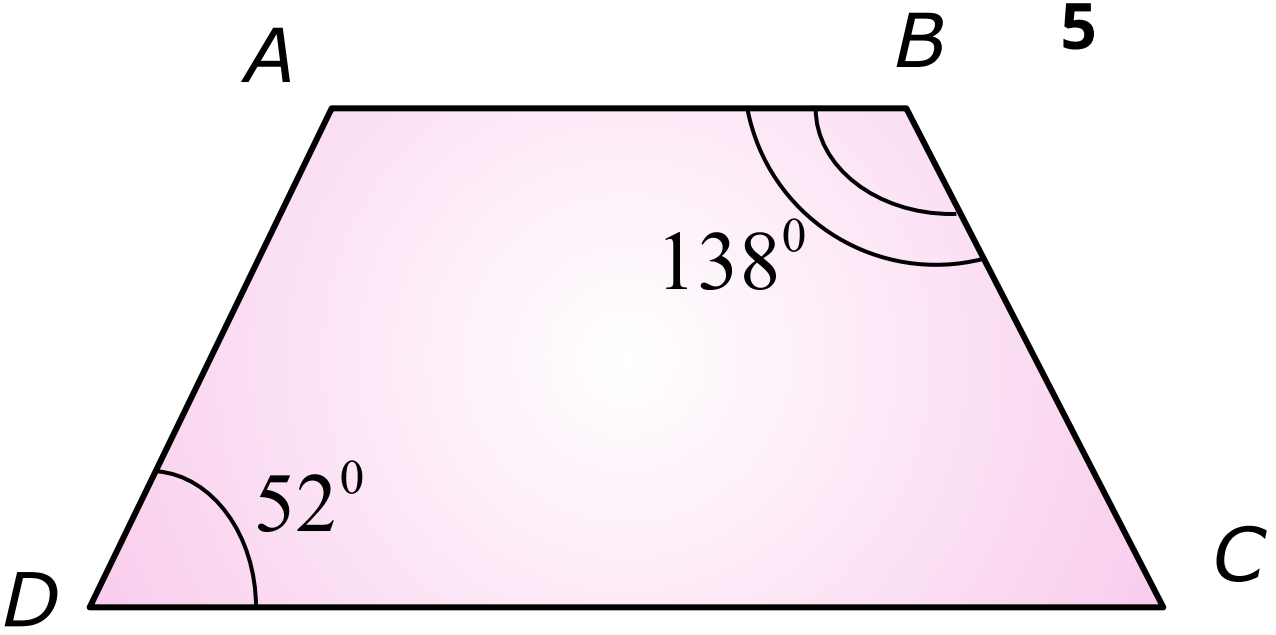
Задача 4



$AB \parallel DC$

Найти: $\angle MDC$

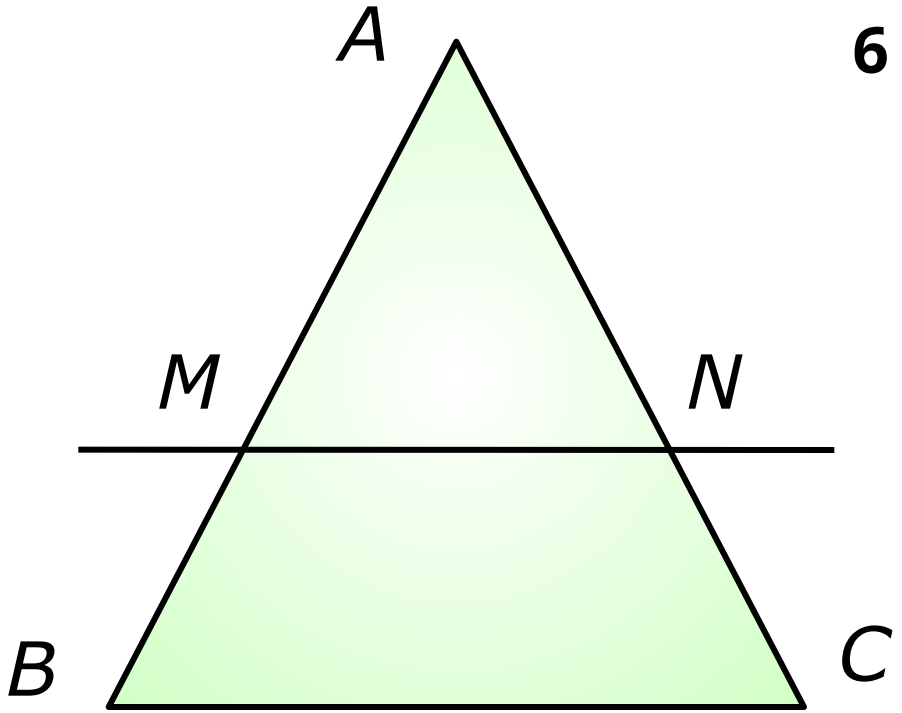
Задача 5



$AB \parallel DC$

Найти: $\angle A; \angle C$

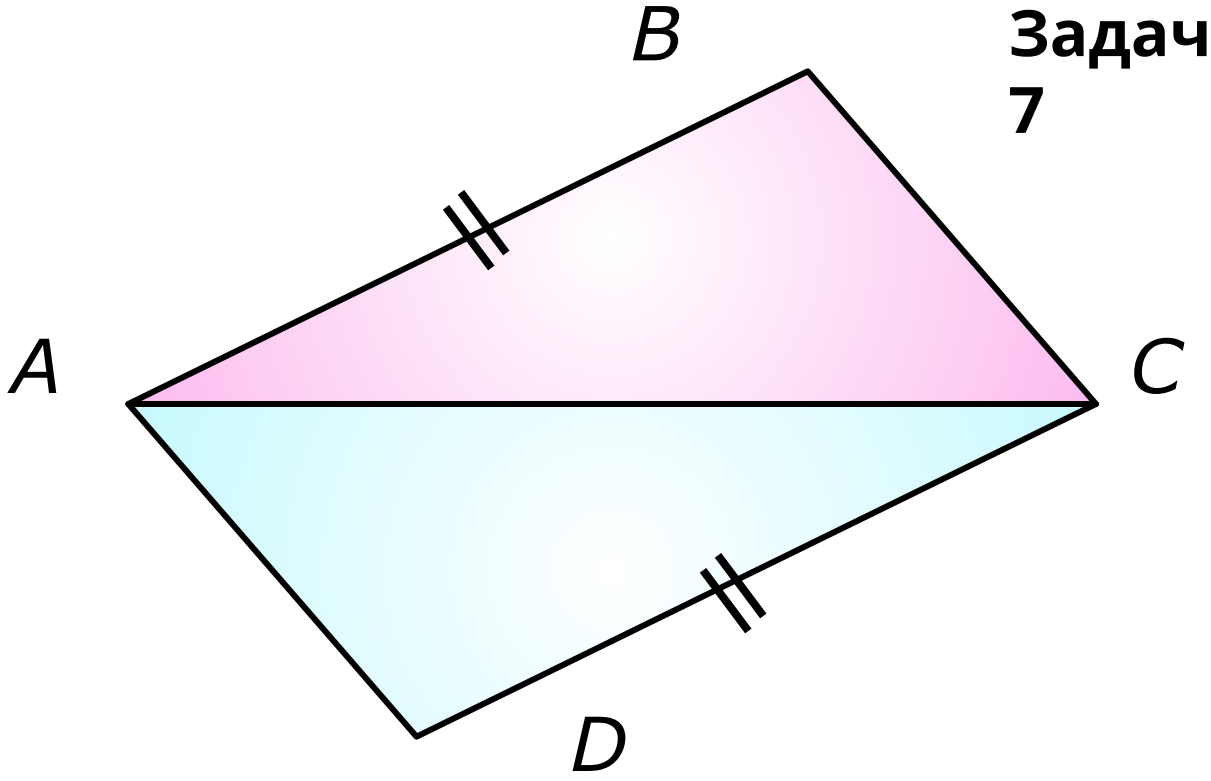
Задача 6



Δ ABC-равнобедренный,
MN || BC

Доказать:
Δ MAN-равнобедренный,

Задача 7

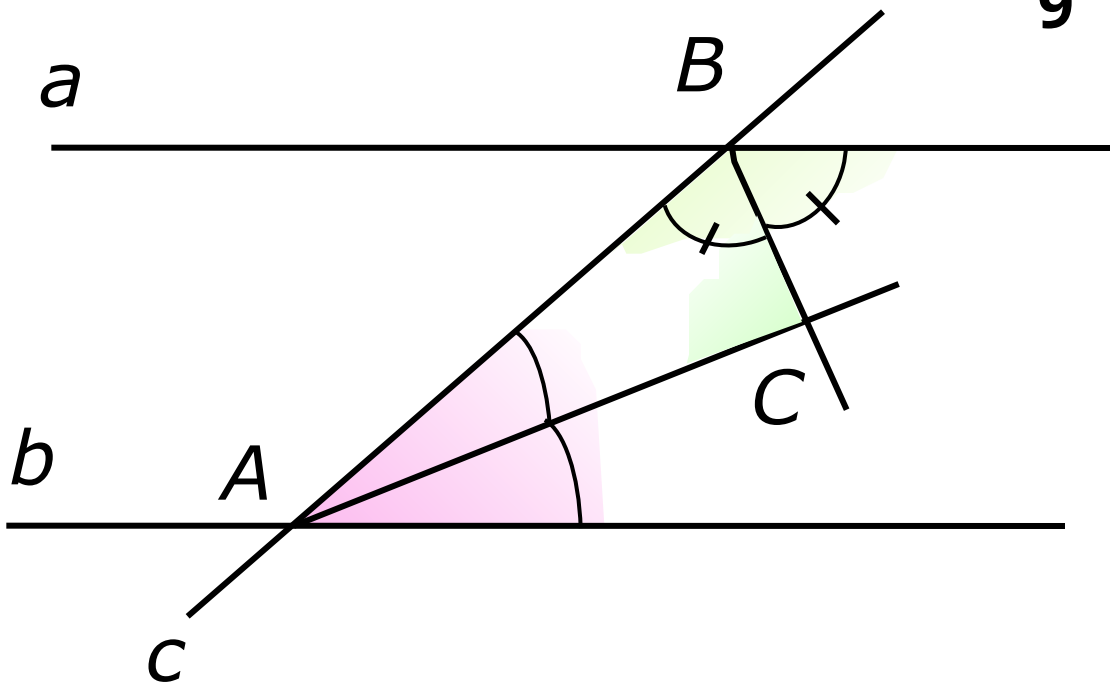


AB ∥ *DC; AB = DC*

BC=10см

Найти: AD

Задача 9

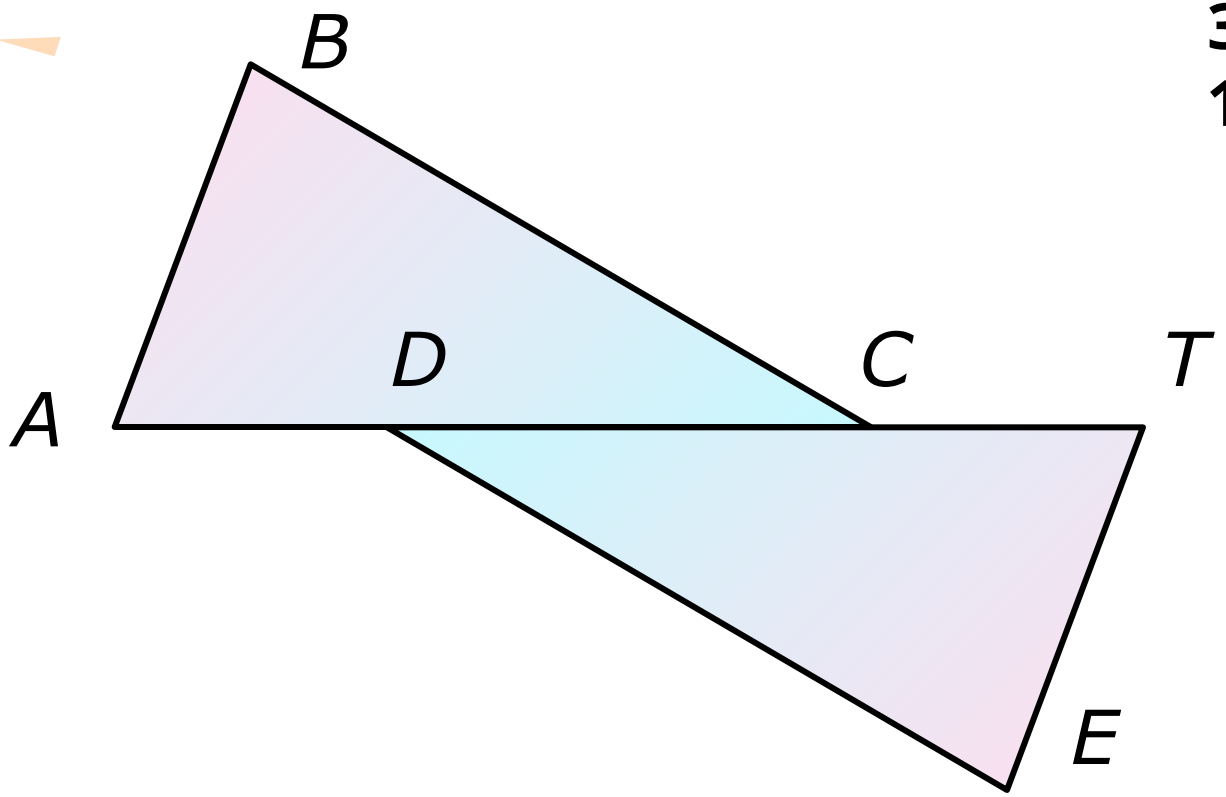


a ll *b*, *c*-секущая

AC и *BC*- биссектрисы

Найти:$\angle \grave{A}\tilde{N}\hat{A}$

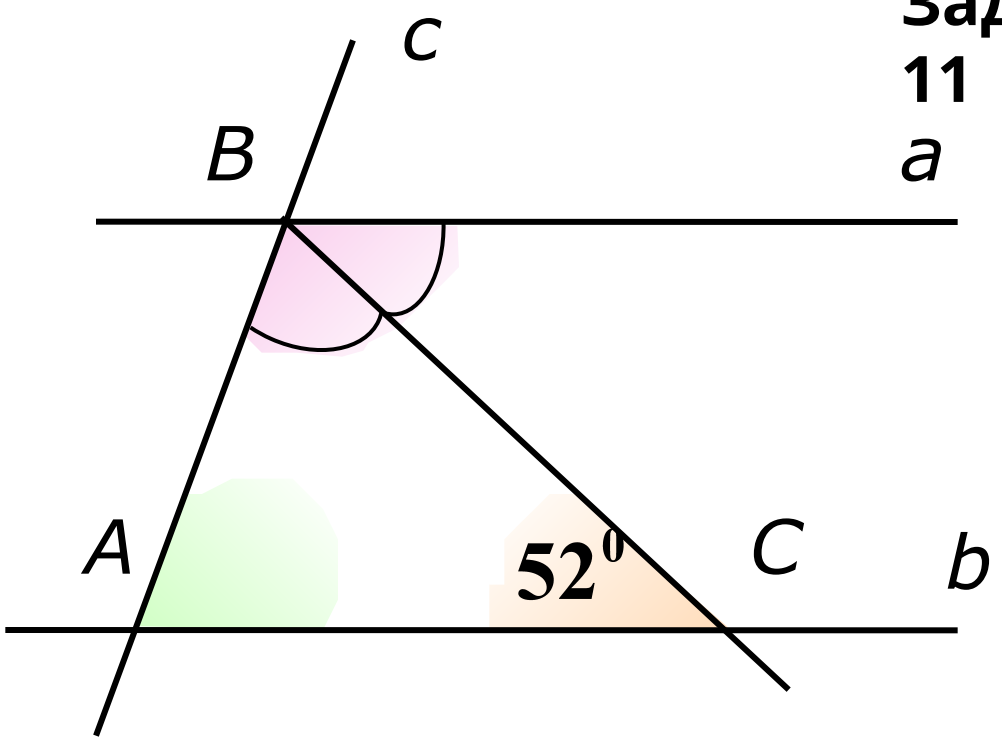
Задача 10



AB || *TE*, *BC* || *DE*

Найти условия, при которых Δ ABC равен Δ DTE

Задача 11

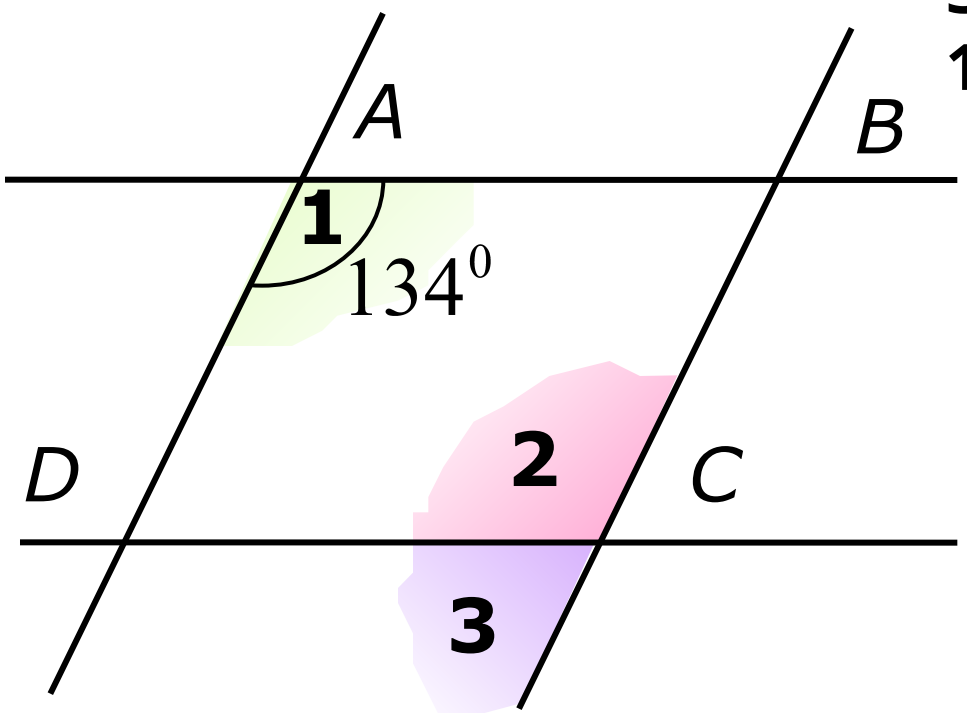


a || *b*, *BC*- *биссектриса*

$\angle \hat{A}\tilde{N}\grave{A} = 52^0$

Найти: $\angle \hat{A}\grave{A}\tilde{N}$

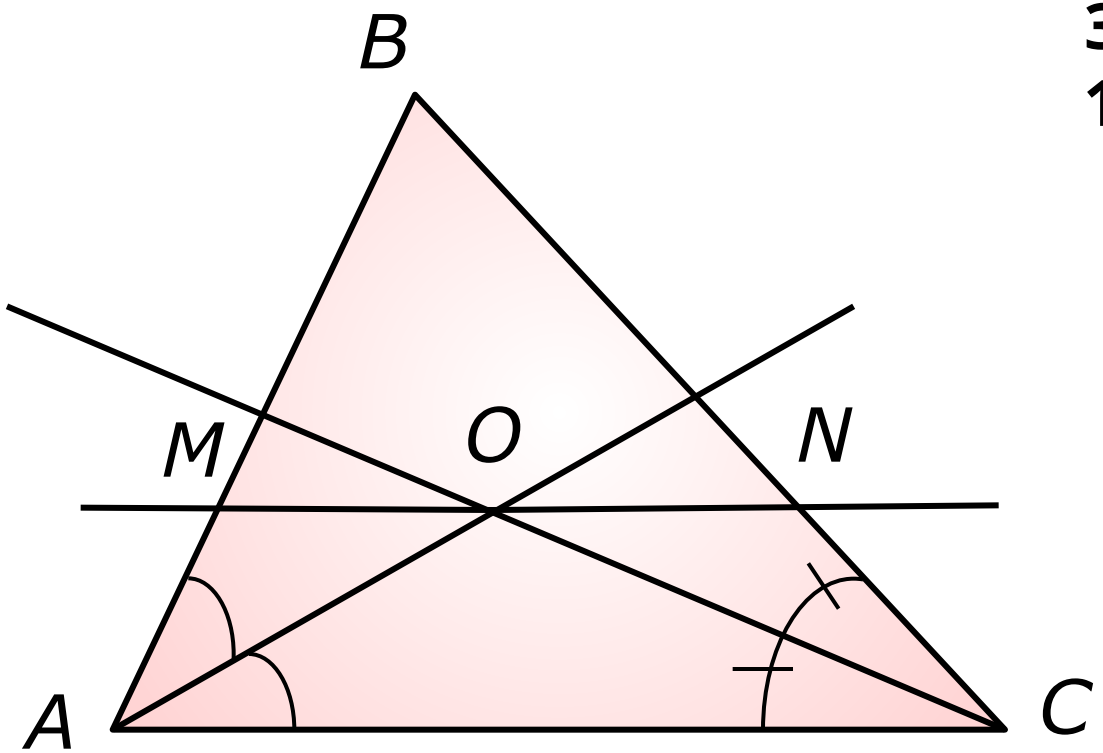
Задача 12



$AB \parallel DC$, $BC \parallel AD$

Найти: $\angle 2, \angle 3$

Задача 13

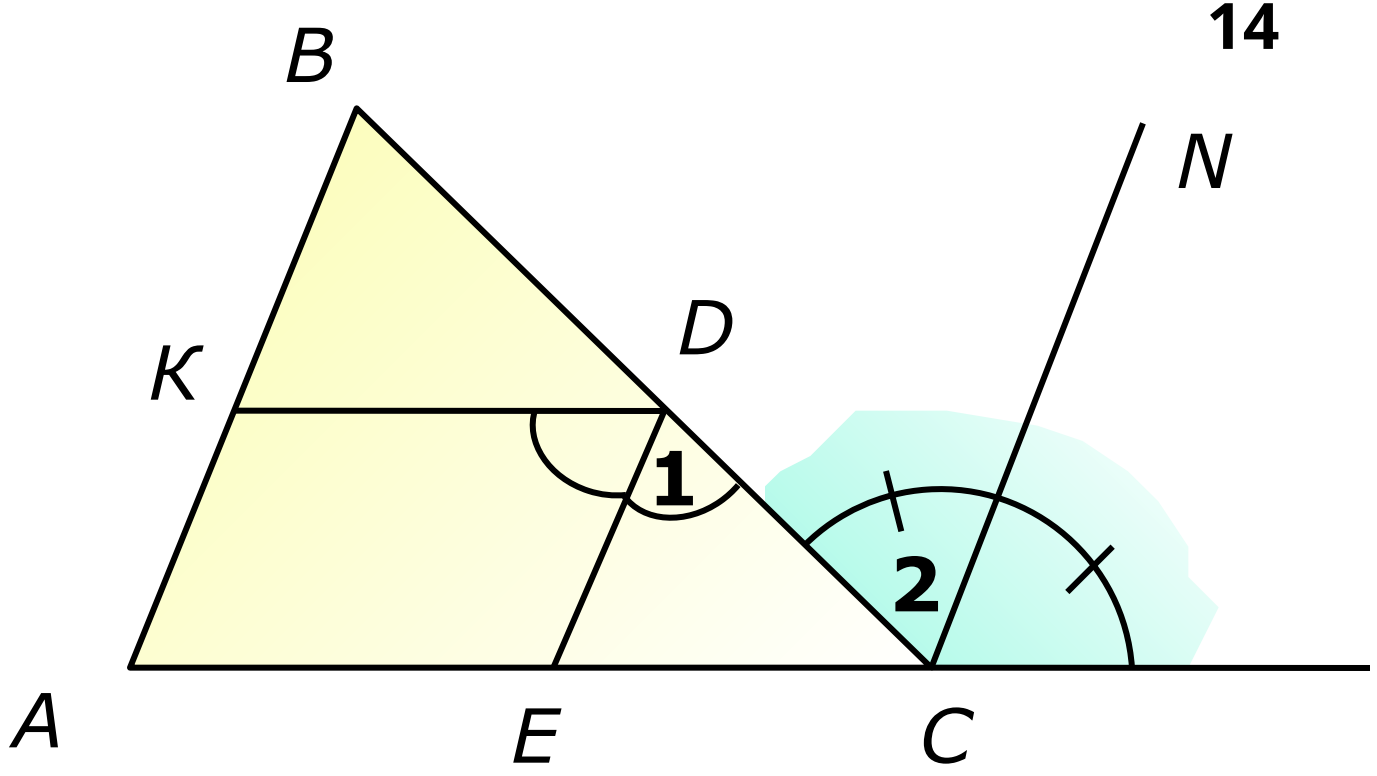


MN ll AC

AO и *CO*- биссектрисы

Доказать:*MN*=*AM*+*CN*

Задача 14



$KD \parallel AC$

Доказать: $\angle 1 = \angle 2$