

# УРОК №8

СЛОЖЕНИЕ

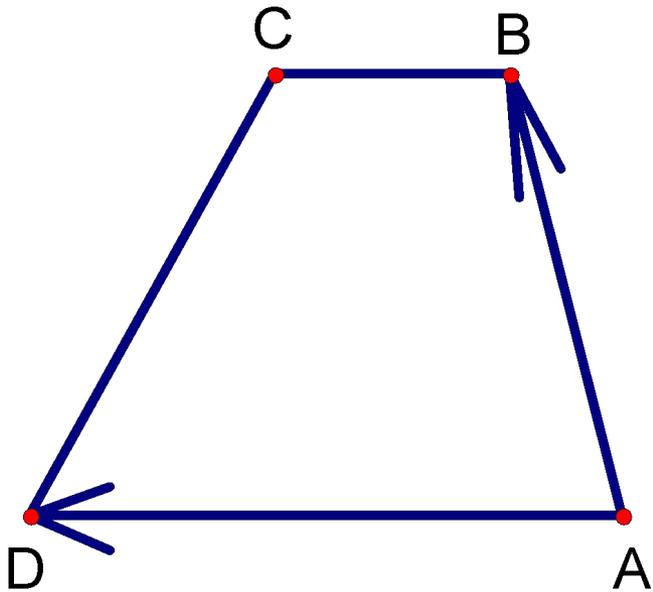
И

ВЫЧИТАНИЕ

ВЕКТОРОВ

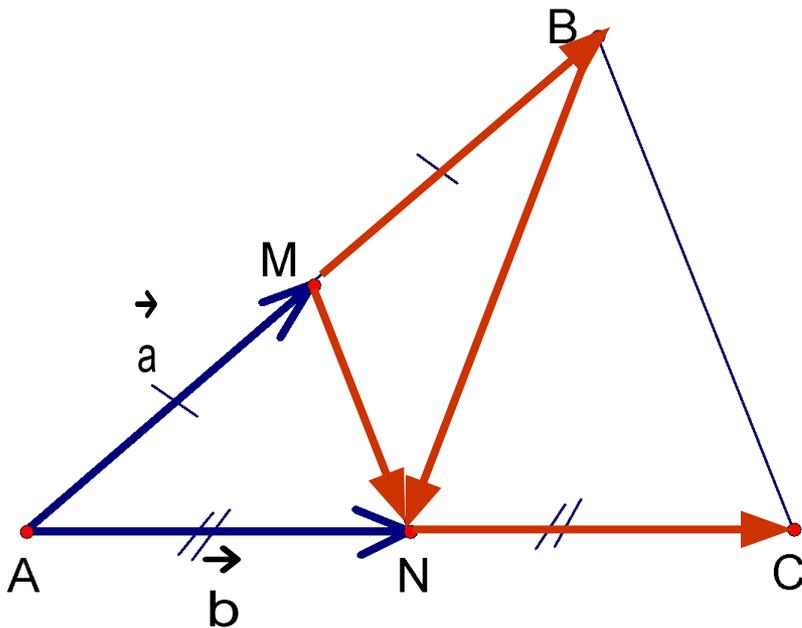
# ЗАДАЧА №1

В трапеции  $ABCD$ ,  $AD \parallel BC$ ,  $\angle ABC = 120^\circ$ ,  
 $AD = 6$ ,  $AB = 3$ . Найдите  $\left| \overline{AB} - \overline{AD} \right|$ .



# ЗАДАЧА №768

Выразите векторы  $BM$ ,  $NC$ ,  $MN$ ,  $BN$   
 через векторы  $a$  и  $b$

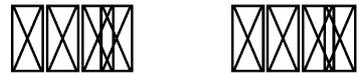


$$\begin{aligned}
 BM &= -a & NC &= b \\
 MN &= AN - AM = b - a \\
 BN &= BA + AN = \\
 &= BM + MA + AN = \\
 &= BM - AM + AN = \\
 &= -a - a + b
 \end{aligned}$$

# ЗАДАЧА №771

Выразите векторы

$$\overline{DC} + \overline{CB}$$



$$\overline{BO} + \overline{OC}$$



$$\overline{BO} - \overline{OC}$$

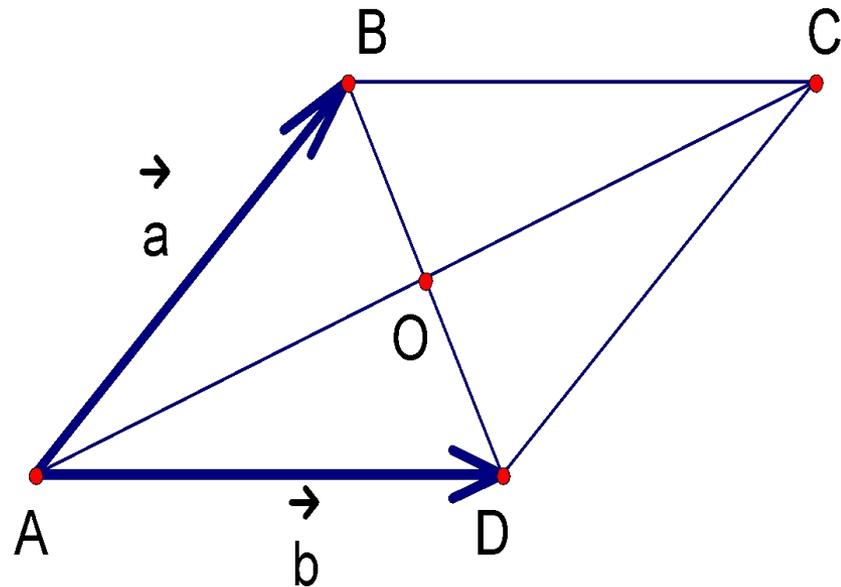


$$\overline{BA} - \overline{DA}$$

через векторы



$$a \text{ и } b \text{ и } A, B, D =$$



# ЗАДАЧА №771

$$1. \overline{DC} + \overline{CB} = \overline{DB} = \overline{DA} + \overline{AB} =$$

$$= -b + a$$

$$2. \overline{BO} + \overline{OC} = \overline{BC} = \overline{AD} = b$$

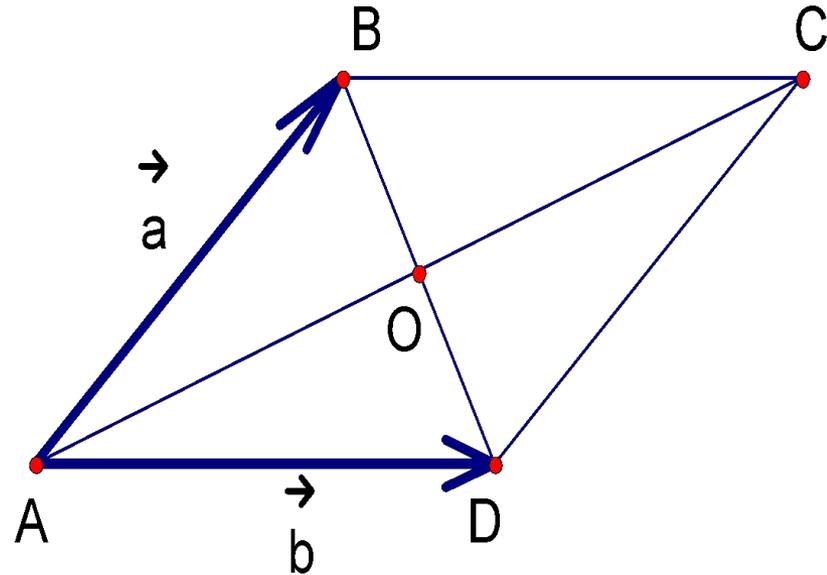
$$3. \overline{BO} - \overline{OC} = \overline{BO} + \overline{CO} =$$

$$= \overline{BO} + \overline{OA} = \overline{BA} = -\overline{AB} =$$

$$= -a$$

$$4. \overline{BA} - \overline{DA} = \overline{BA} + \overline{AD} =$$

$$= -\overline{AB} + \overline{AD} = -a + b$$



# **САМОСТОЯТЕЛЬНАЯ РАБОТА**