

Arbeitsblatt

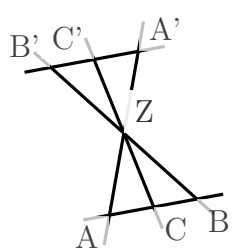
16.09.2020

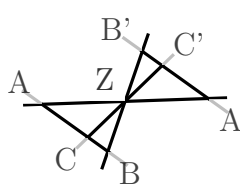
Kostenlos auf dw-aufgaben.de

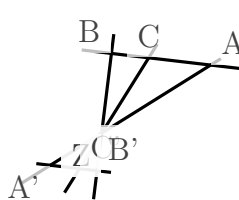
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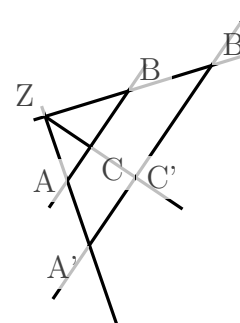
Aufgabe 1

Eine Aussage ist für jede Zeichnung richtig. Welche ist es?

a)  $\frac{|ZC|}{|CC'|} = \frac{|ZB|}{|BB'|}$
 $\frac{|ZA'|}{|AA'|} = \frac{|CC'|}{|ZC'|}$

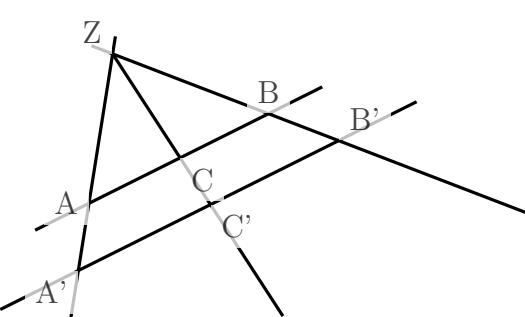
b)  $\frac{|ZA|}{|AA'|} = \frac{|ZC|}{|CC'|}$
 $\frac{|B'C'|}{|BC|} = \frac{|AC|}{|A'C'|}$

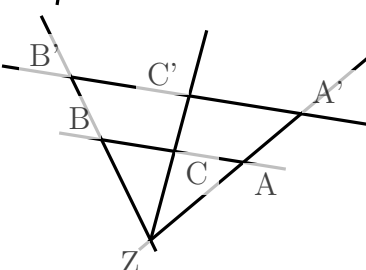
c)  $\frac{|BB'|}{|CC'|} = \frac{|ZC|}{|ZB|}$
 $\frac{|ZC|}{|ZB|} = \frac{|ZC'|}{|ZB'|}$

d)  $\frac{|AA'|}{|BB'|} = \frac{|ZA|}{|ZB|}$
 $\frac{|AB|}{|A'B'|} = \frac{|ZB'|}{|ZB|}$

Aufgabe 2

Markiere die richtigen Aussagen.

a)  $\frac{|B'C'|}{|BC|} = \frac{|ZB'|}{|ZB|}$
 $\frac{|BC|}{|B'C'|} = \frac{|AC|}{|A'C'|}$
 $\frac{|CC'|}{|BB'|} = \frac{|ZB|}{|ZC|}$
 (Zwei richtig)

b)  $\frac{|BB'|}{|AA'|} = \frac{|ZA|}{|ZB|}$
 $\frac{|B'C'|}{|BC|} = \frac{|ZC'|}{|ZC|}$
 $\frac{|AA'|}{|ZA|} = \frac{|BB'|}{|ZB|}$
 (Zwei richtig)

c)

$\frac{|B'C'|}{|BC|} = \frac{|A'C'|}{|AC|}$
 $\frac{|AB|}{|A'B'|} = \frac{|ZA'}{|ZA|}$
 $\frac{|CC'|}{|ZC|} = \frac{|BB'|}{|ZB|}$

(Zwei richtig)

d)

$\frac{|A'C'|}{|AC|} = \frac{|ZA'}{|ZA|}$
 $\frac{|AB|}{|A'B'|} = \frac{|ZA|}{|ZA'|}$
 $\frac{|CC'|}{|AA'|} = \frac{|ZA'}{|ZC'|}$

(Zwei richtig)

Aufgabe 3

Markiere die richtigen Aussagen.

a)

$\frac{|RR'|}{|QQ'|} = \frac{|KQ'|}{|KR'|}$
 $\frac{|KR|}{|RR'|} = \frac{|KQ|}{|QQ'|}$
 $\frac{|KR|}{|RR'|} = \frac{|QQ'|}{|KQ|}$
 $\frac{|RR'|}{|QQ'|} = \frac{|KR'}{|KQ'|}$

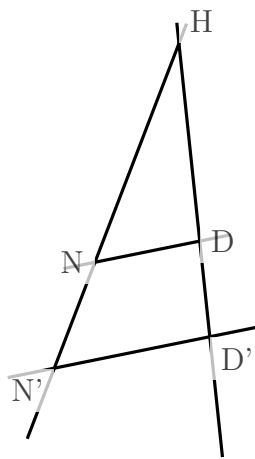
(Zwei richtig)

b)

$\frac{|RL'|}{|RL|} = \frac{|RV'}{|RV|}$
 $\frac{|LL'}{|RL'|} = \frac{|VV'}{|RV'|}$
 $\frac{|RL|}{|LL'|} = \frac{|VV'}{|RV|}$
 $\frac{|RL'|}{|RL|} = \frac{|RV|}{|RV'|}$

(Zwei richtig)

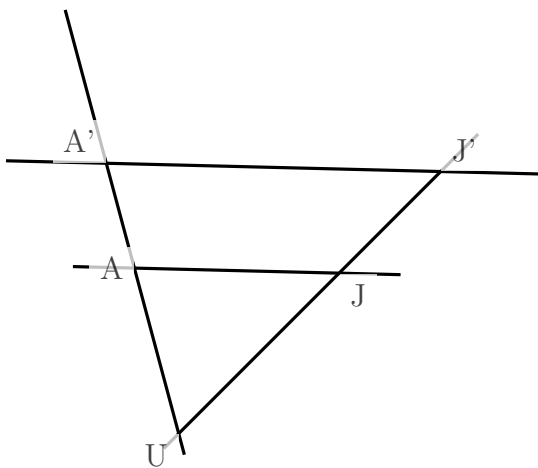
c)



- $\frac{|DD'|}{|NN'|} = \frac{|HD'|}{|HN'|}$
- $\frac{|HN'|}{|HN|} = \frac{|HD'|}{|HD|}$
- $\frac{|HN'|}{|HN|} = \frac{|HD|}{|HD'|}$
- $\frac{|NN'|}{|DD'|} = \frac{|HN|}{|HD|}$

(Drei richtig)

d)



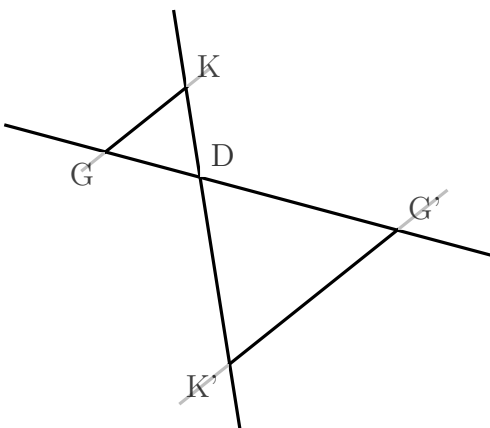
- $\frac{|JJ'|}{|AA'|} = \frac{|UJ'|}{|UA'|}$
- $\frac{|JJ'|}{|UJ|} = \frac{|UA|}{|AA'|}$
- $\frac{|JJ'|}{|UJ|} = \frac{|AA'|}{|UA|}$
- $\frac{|UJ|}{|UJ'|} = \frac{|UA'|}{|UA|}$

(Zwei richtig)

Aufgabe 4

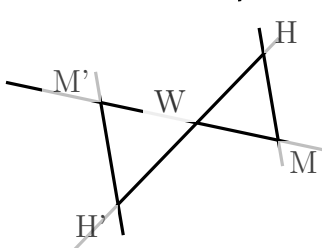
Markiere die richtigen Aussagen.

a)



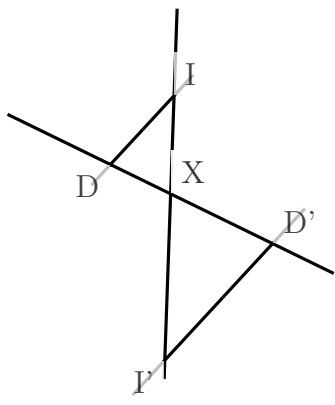
- $\frac{|KK'|}{|DK|} = \frac{|GG'|}{|DG|}$
- $\frac{|DK|}{|KK'|} = \frac{|GG'|}{|DG|}$
- $\frac{|KK'|}{|GG'|} = \frac{|DK'|}{|DG'|}$
- $\frac{|KK'|}{|DK|} = \frac{|DG|}{|GG'|}$

b)



- $\frac{|WM|}{|WH|} = \frac{|WM'|}{|WH'|}$
- $\frac{|WM'|}{|MM'|} = \frac{|WH'|}{|HH'|}$
- $\frac{|MM'|}{|WM|} = \frac{|HH'|}{|WH|}$
- $\frac{|WM|}{|HH'|} = \frac{|WM'|}{|M'H'|}$

c)



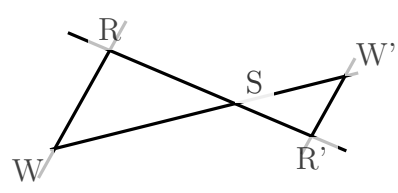
$$\square \frac{|DD'|}{|II'|} = \frac{|XD|}{|XI|}$$

$$\square \frac{|II'|}{|DD'|} = \frac{|XD'}{|XI|}$$

$$\square \frac{|DD'|}{|II'|} = \frac{|XD'}{|XI|}$$

$$\square \frac{|XD|}{|XI|} = \frac{|XD'}{|XI|}$$

d)



$$\square \frac{|SR|}{|RR'|} = \frac{|WW'|}{|SW|}$$

$$\square \frac{|SR'}{|RR'} = \frac{|SW'}{|SW|}$$

$$\square \frac{|SR|}{|RR'} = \frac{|SW'}{|SW|}$$

$$\square \frac{|SR|}{|RR'} = \frac{|SW|}{|WW'|}$$

Viel Erfolg!