Worksheet
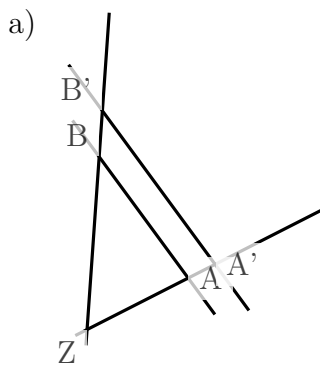
Free on dw-math.com
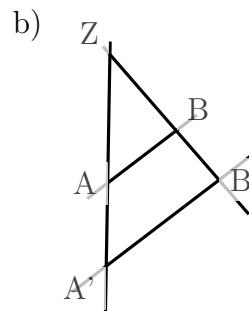
Problem quickname: 2896

<u>1)</u>

Which line segment must be placed at the position with the question mark?

a)

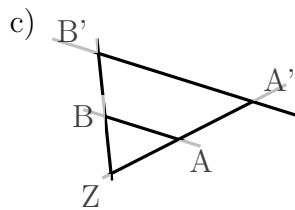$$\frac{|A'B'|}{|AB|} = \frac{?}{|ZB|}$$

Possible answers:

$|ZB'|, |ZA'|, |BB'|$

b)

$$\frac{|AB|}{|A'B'|} = \frac{|ZA|}{?}$$
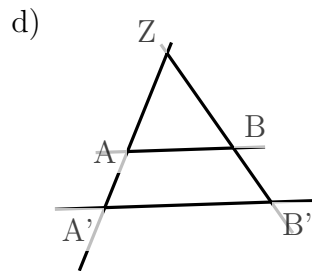
Possible answers:

$|ZA'|, |ZB'|, |ZB|$

c)

$$\frac{?}{|AB|} = \frac{|ZB'|}{|ZB|}$$
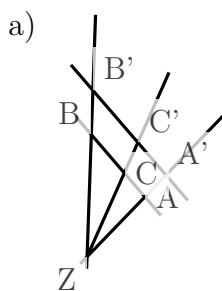
Possible answers:

$|BB'|, |ZA|, |A'B'|$

d)

$$\frac{|AB|}{|A'B'|} = \frac{|ZB|}{?}$$
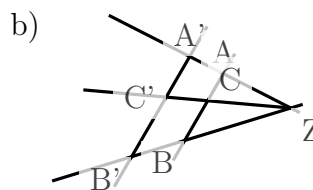
Possible answers:

$|ZB'|, |ZA'|, |AA'|$

<u>2)</u>

Which line segment must be placed at the position with the question mark?

a)

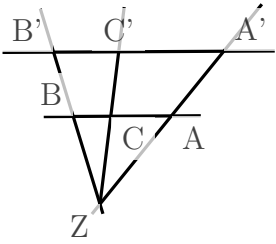$$\frac{|A'C'|}{?} = \frac{|A'B'|}{|AB|}$$
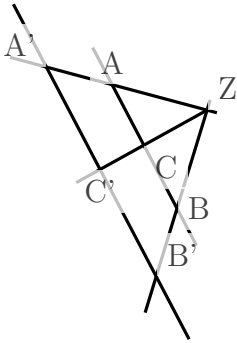
Possible answers:

$|ZA'|, |ZB|, |AC|$

b)

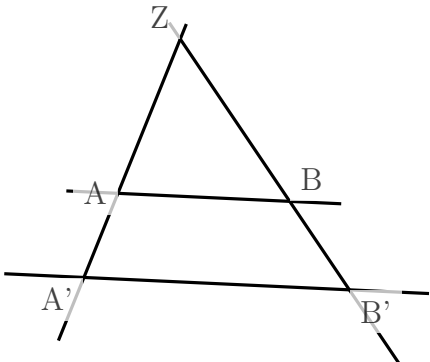$$\frac{?}{|AC|} = \frac{|B'C'|}{|A'C'|}$$

Possible answers:

$|BC|, |ZC'|, |AB|$

c)

B'   C'   A'
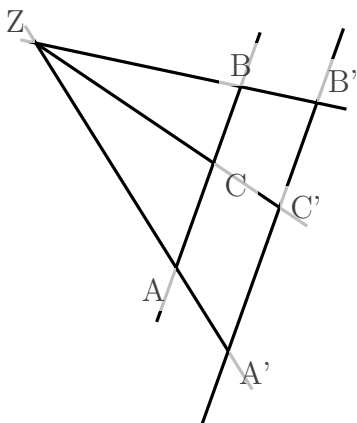
$\frac{|BC|}{|AC|} = \frac{|B'C'|}{?}$

Possible answers:

$|A'C'|$, $|AA'|$, $|AB|$

B

C   A

Z

d)

A'   A   Z

C'   C   B   B'

$\frac{|AC|}{?} = \frac{|AB|}{|A'B'|}$

Possible answers:

$|ZC|$, $|A'C'|$, $|ZB|$

3)

Which line segment must be placed at the position with the question mark?

a)

Z

A   B

A'   B'

$\frac{|ZA'|}{|ZA|} = \frac{?}{|ZB|}$

Possible answers:

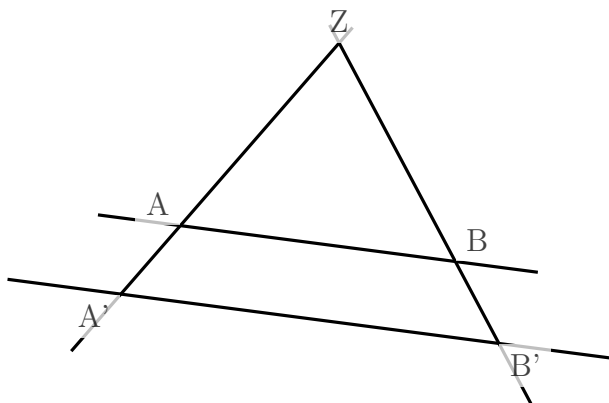$|ZB'|$, $|AB|$, $|AA'|$

b)

Z   B   B'

C   C'

A   A'

$\frac{|A'C'|}{?} = \frac{|A'B'|}{|AB|}$
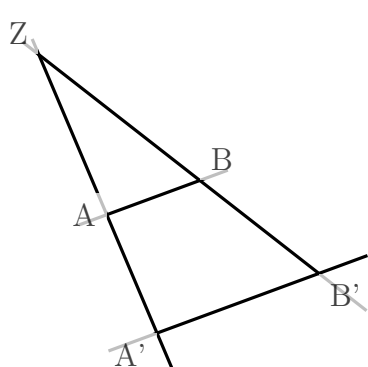
Possible answers:

$|AC|$, $|AA'|$, $|BB'|$

c)

$$\frac{?}{|AB|} = \frac{|ZA'|}{|ZA|}$$

Possible answers:

$|ZB|, |A'B'|, |ZB'|$

d)

$$\frac{|A'B'|}{|AB|} = \frac{?}{|ZB|}$$
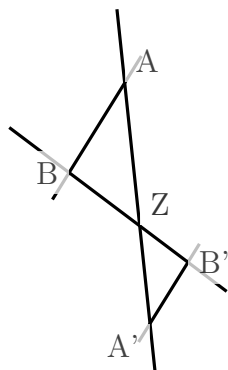
Possible answers:

$|BB'|, |ZA|, |ZB'|$

<u>4)</u>

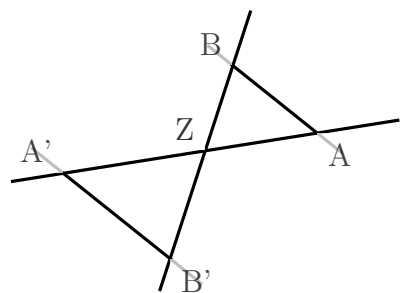Which line segment must be placed at the position with the question mark?

a)

$$\frac{|A'B'|}{|AB|} = \frac{?}{|ZA|}$$

Possible answers:

$|ZB'|, |ZB|, |ZA'|$

b)
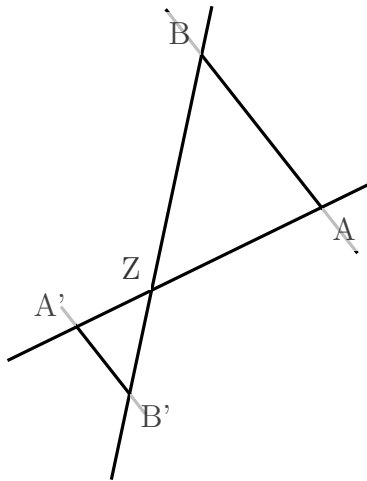

$$\frac{?}{|AA'|} = \frac{|ZB'|}{|BB'|}$$
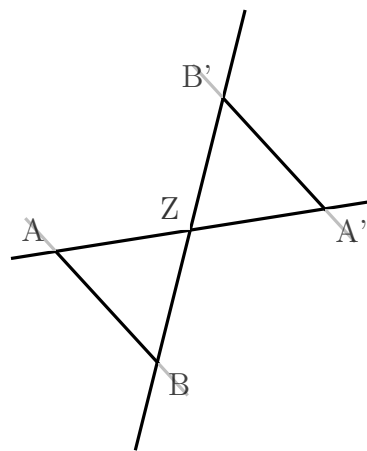
Possible answers:

$|ZA|, |ZB|, |ZA'|$

c)

B

$$\frac{|AA'|}{?} = \frac{|BB'|}{|ZB'|}$$

Possible answers:

$|ZA'|, |ZA|, |A'B'|$

A

Z

A'

B'

d)

B'

$$\frac{|A'B'|}{?} = \frac{|ZB'|}{|ZB|}$$

Possible answers:

$|AB|, |AA'|, |ZA|$

A

Z

A'

B

Good Luck!