

# Worksheet

09/16/2020

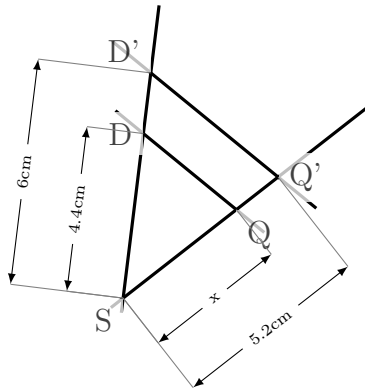
Free on dw-math.com

Problem quickname: 8979

1)

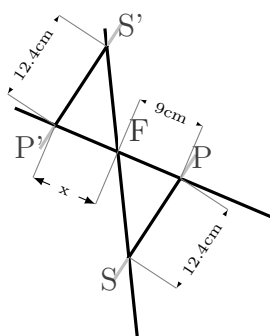
Specify the length of the line segment marked "x". Apply the intercept theorems.

a)



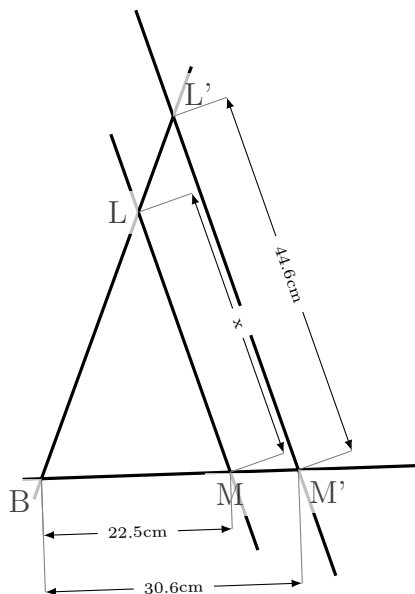
1. Formulate equation for length ratios
2. Solve equation for x
3. Calculate answer

b)



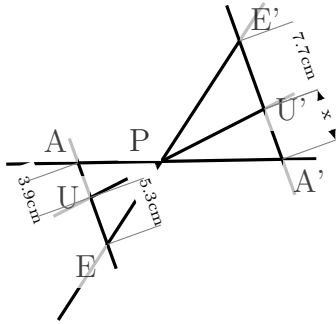
1. Formulate equation for length ratios
2. Solve equation for x
3. Calculate answer

c)



1. Formulate equation for length ratios
2. Solve equation for x
3. Calculate answer

d)

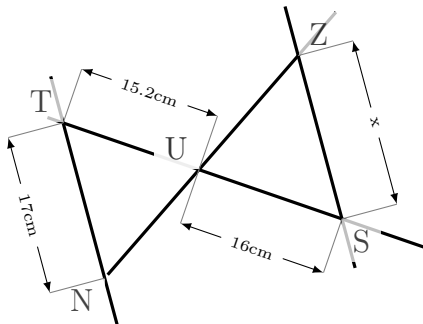


1. Formulate equation for length ratios
2. Solve equation for  $x$
3. Calculate answer

2)

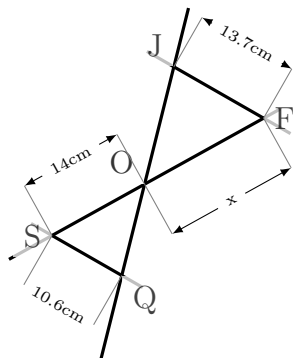
Specify the length of the line segment marked "x". Apply the intercept theorems.

a)



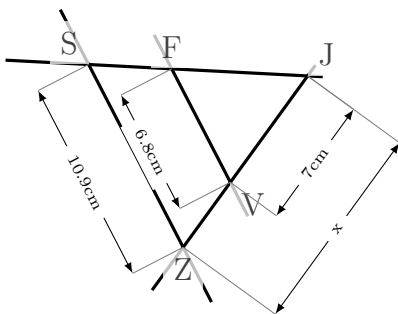
1. Formulate equation for length ratios
2. Solve equation for  $x$
3. Calculate answer

b)



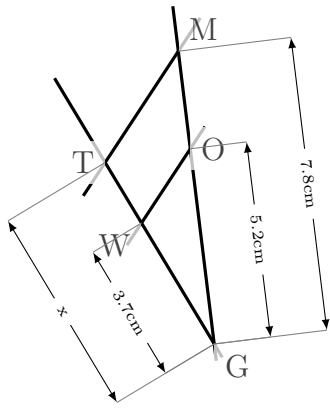
1. Formulate equation for length ratios
2. Solve equation for  $x$
3. Calculate answer

c)



1. Formulate equation for length ratios
2. Solve equation for  $x$
3. Calculate answer

d)

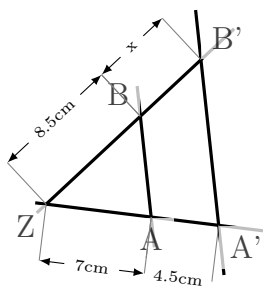


1. Formulate equation for length ratios
2. Solve equation for  $x$
3. Calculate answer

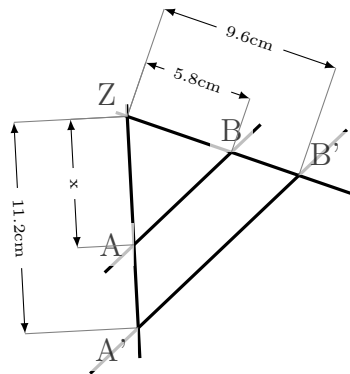
3)

Specify the length of the line segment marked "x". Apply the intercept theorems.

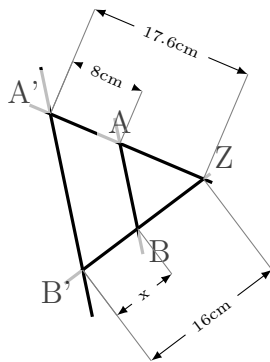
a)



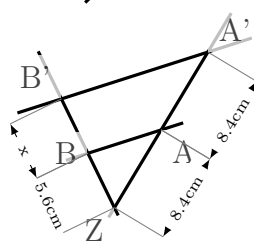
b)



c)



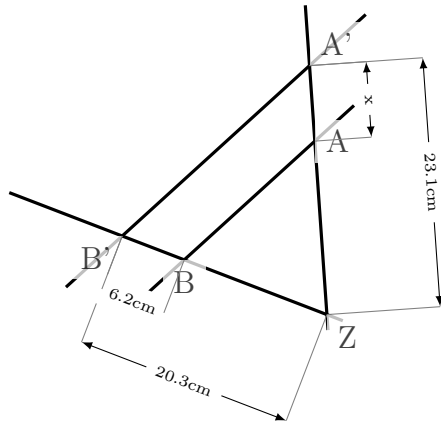
d)



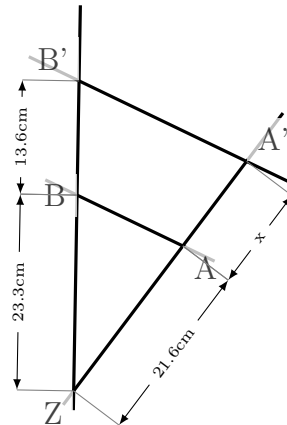
4)

Specify the length of the line segment marked "x". Apply the intercept theorems.

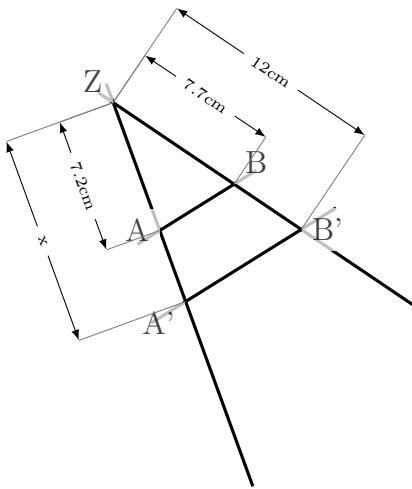
a)



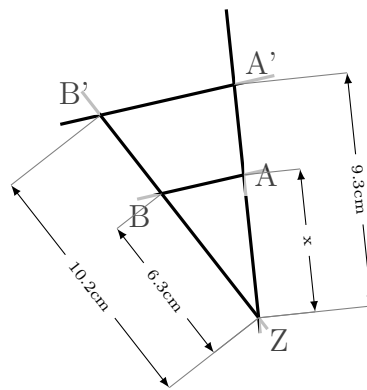
b)



c)



d)



Good Luck!