

Worksheet

09/16/2020

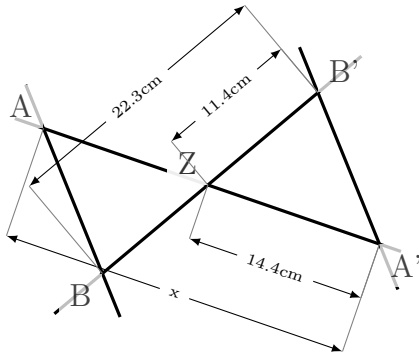
Free on dw-math.com

Problem quickname: 8979

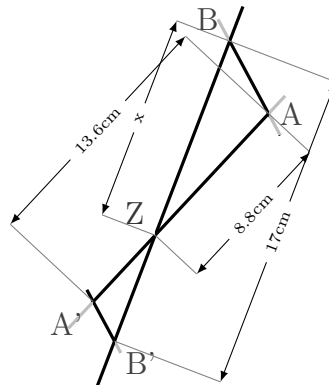
1)

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

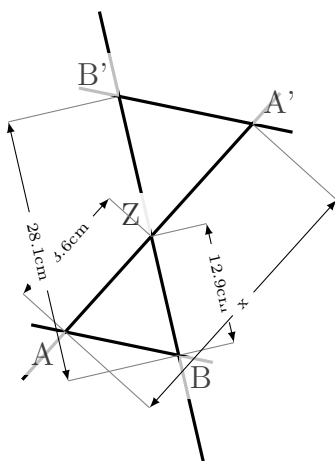
a)



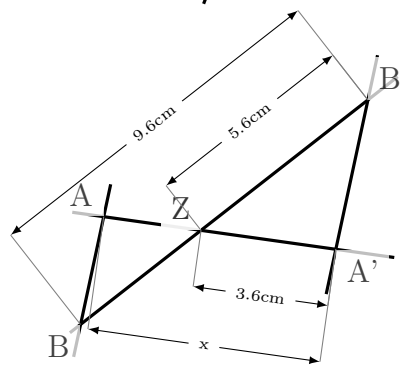
b)



c)



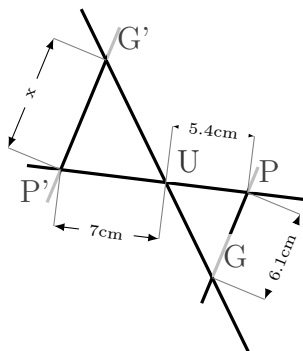
d)



2)

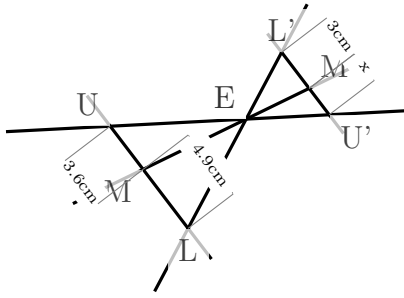
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a)



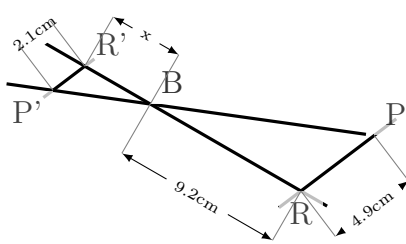
1. Formulate equation for length ratios
2. Solve equation for x
3. Calculate answer

b)



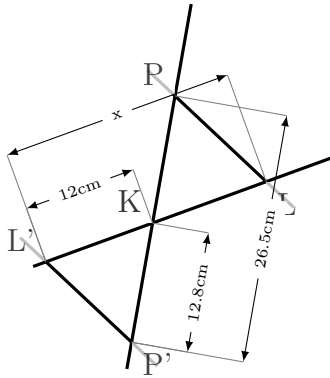
1. Formulate equation for length ratios
2. Solve equation for x
3. Calculate answer

c)



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

d)

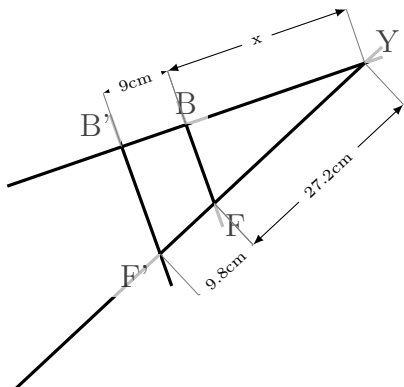


1. Formulate equation for length ratios
2. Solve equation for x
3. Calculate answer

3)

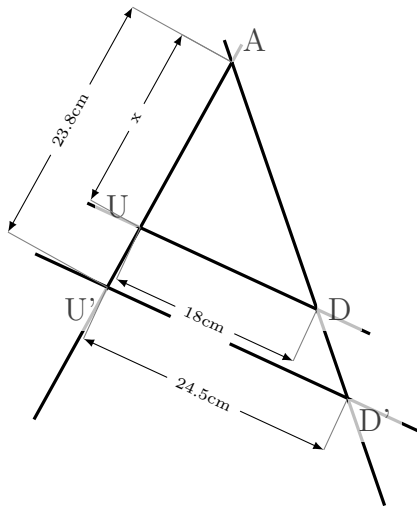
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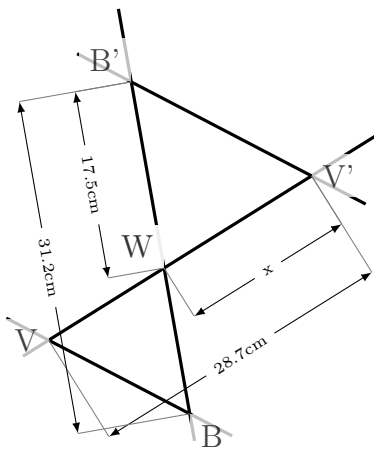
1. Formulate equation for length ratios
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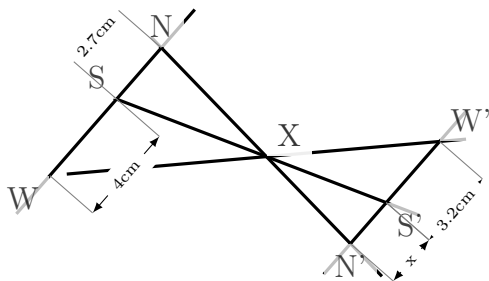
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c)



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2. Solve equation for x
3. Calculate answer

d)

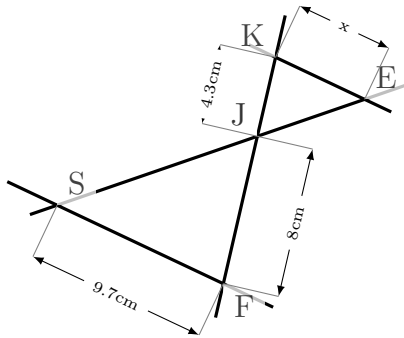


1. Formulate equation for length ratios
2. Solve equation for x
3. Calculate answer

4)

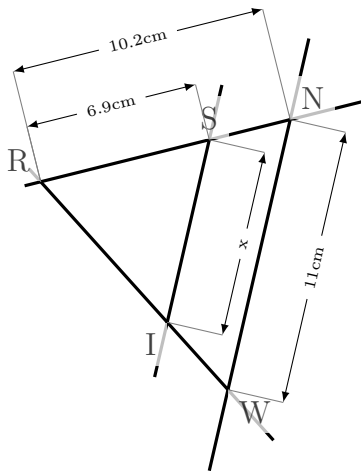
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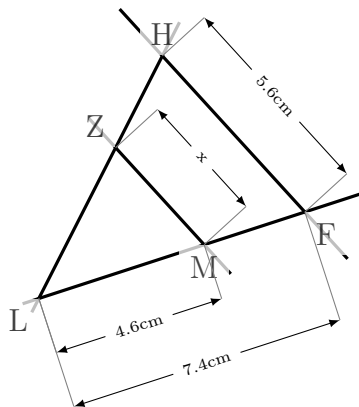
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b)



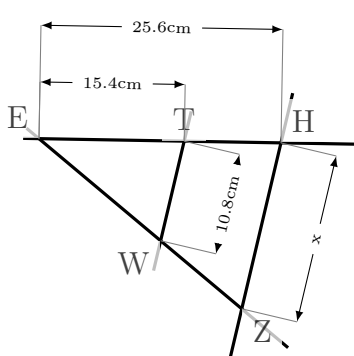
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2. Solve equation for x
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1. Formulate equation for length ratios
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2. Solve equation for x
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Good Luck!