

# Worksheet

09/16/2020

Free on dw-math.com

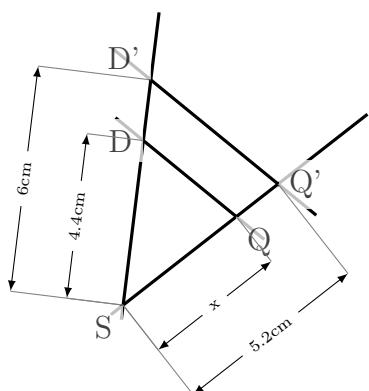
Problem quickname: 8979

1)

Quick:  
8979

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

a)



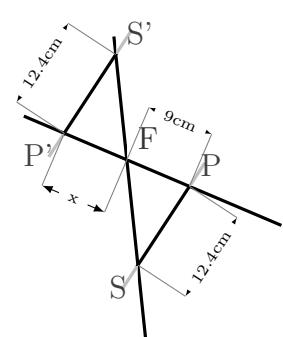
1.  $\frac{|SQ|}{|SQ'|} = \frac{|SD|}{|SD'|}$

1a.  $\frac{x}{5.2} = \frac{4.4}{6}$

2.  $x = \frac{4.4 \cdot 5.2}{6}$

3.  $x = 3.8$

b)



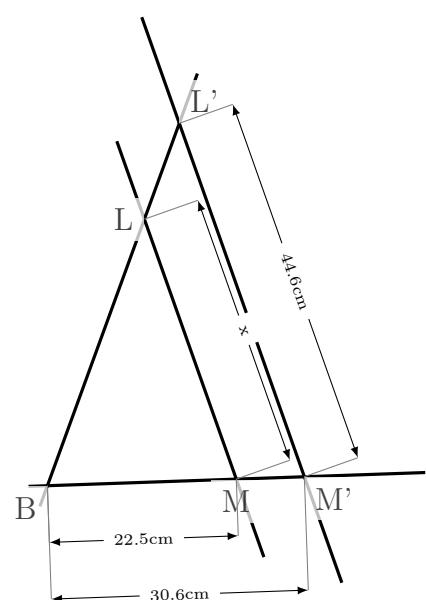
1.  $\frac{|S'P'|}{|SP|} = \frac{|FP'|}{|FP|}$

1a.  $\frac{12.4}{12.4} = \frac{x}{9}$

2.  $x = \frac{12.4 \cdot 9}{12.4}$

3.  $x = 9$

c)

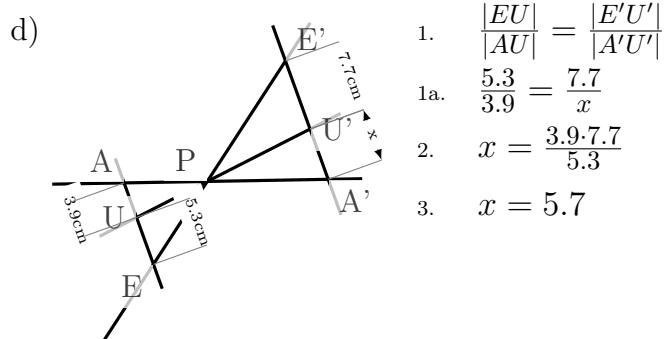


1.  $\frac{|M'L'|}{|ML|} = \frac{|BM'|}{|BM|}$

1a.  $\frac{44.6}{x} = \frac{30.6}{22.5}$

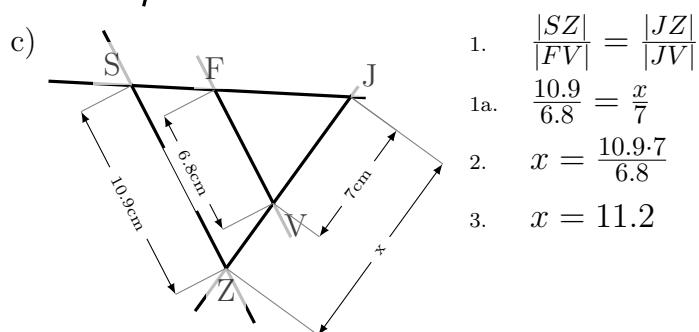
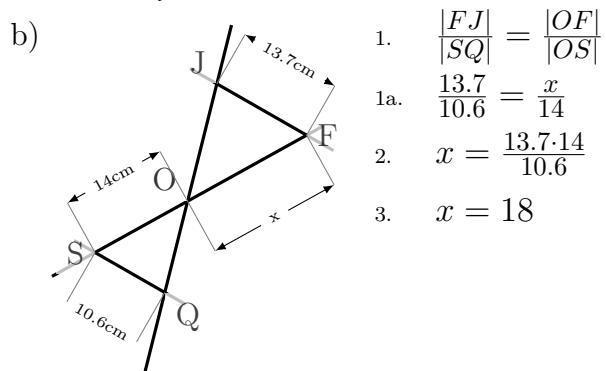
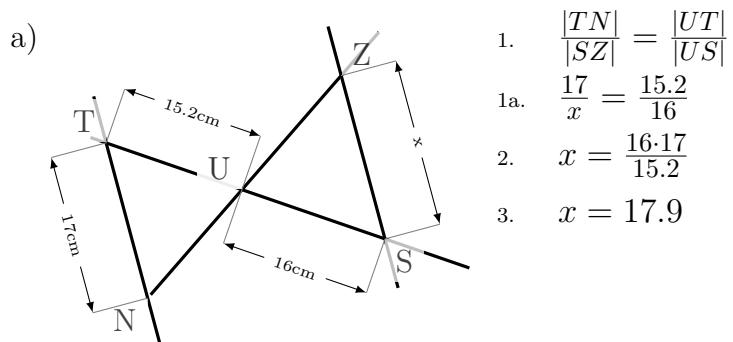
2.  $x = \frac{22.5 \cdot 44.6}{30.6}$

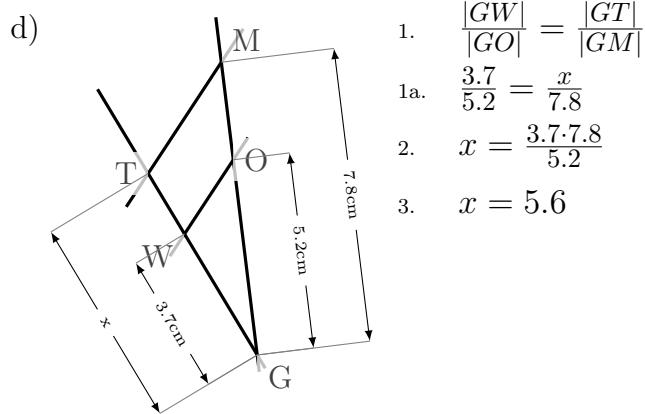
3.  $x = 32.8$



2)

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

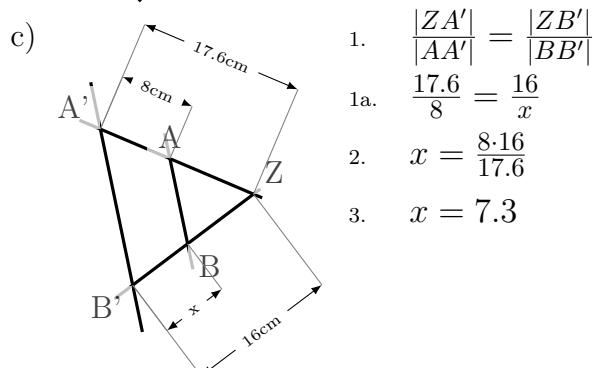
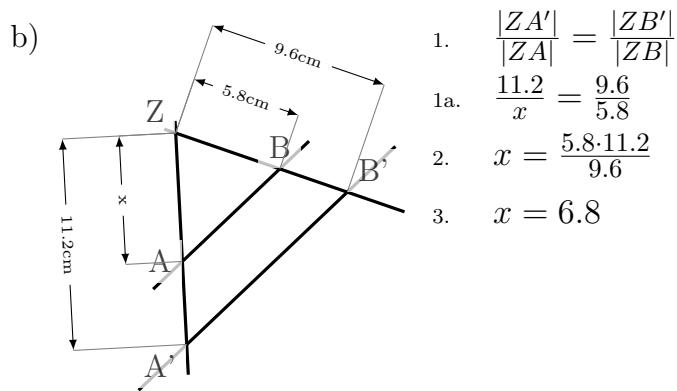
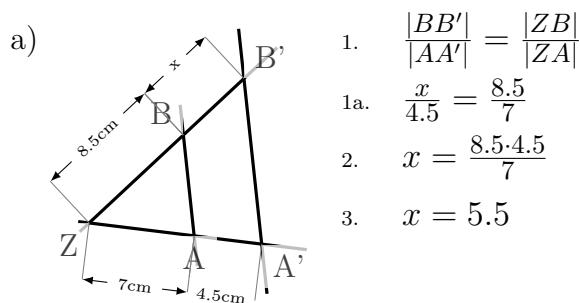
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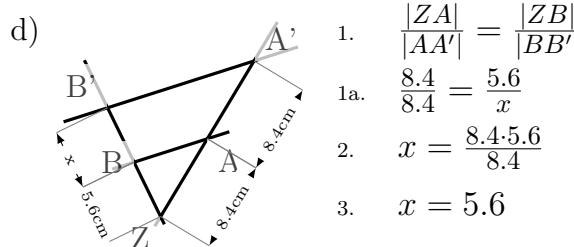


3)

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

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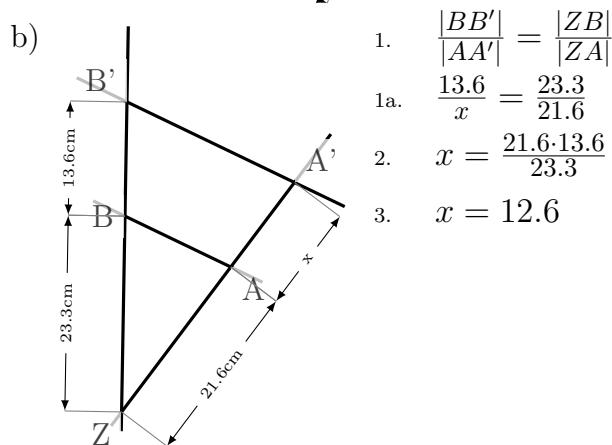
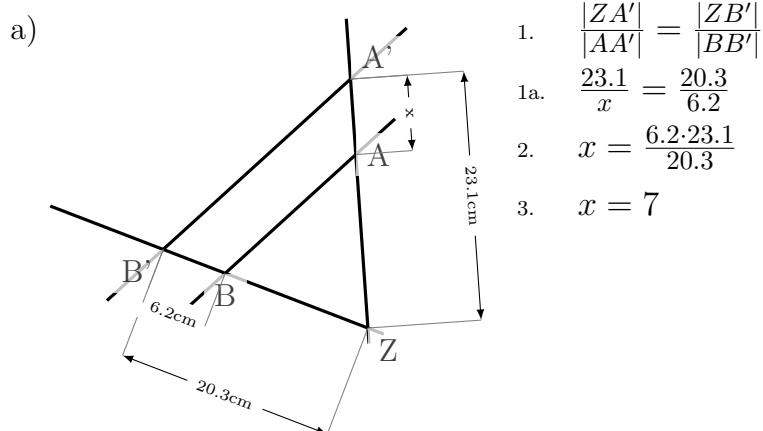


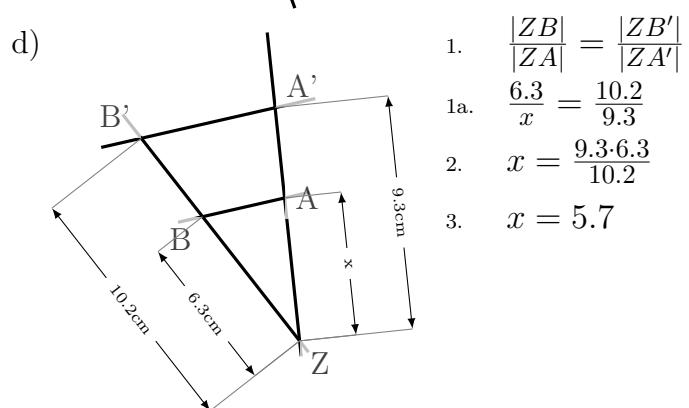
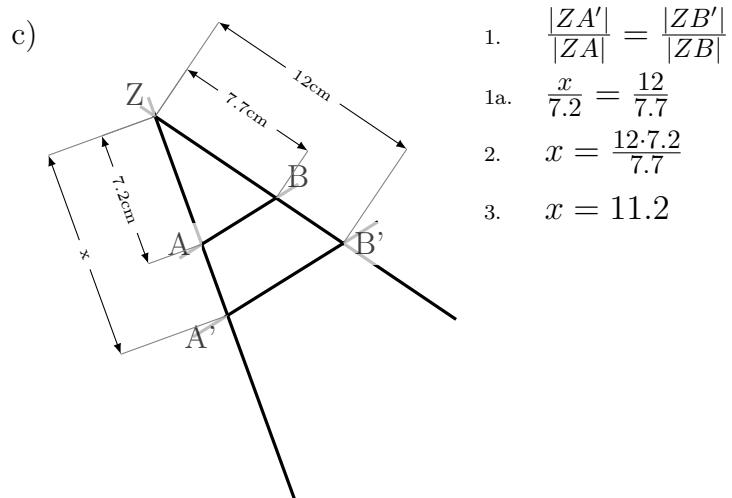


4)

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

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Good Luck!