

Ch 7.2 Similar Polygons

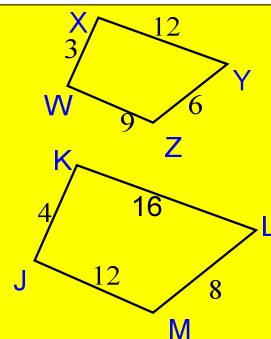
Similar Polygon - if 2 polygons have corresponding angles and sides that are in proportions.

Perimeters of Similar Polygons - if 2 polygons are similar, then their perimeters is equal to the ratio of their corresponding side lengths.

Feb 11-8:02 AM

Ex1a) JKLM ~ WXYZ

Name the corresponding parts:

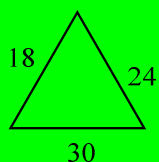
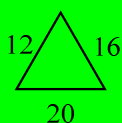


What is the ratio of side JKLM to WXYZ? $4:3$
 $\frac{4}{3}$

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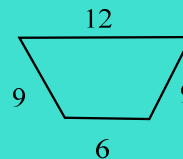
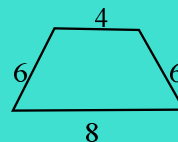
Determine if the polygons are similar. Look at the ratios of each side.

Ex1b)



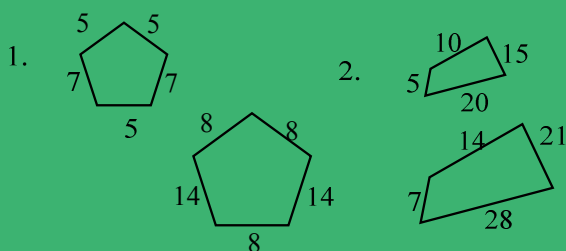
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Ex1c)



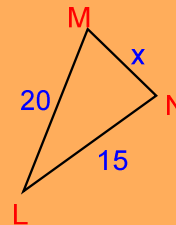
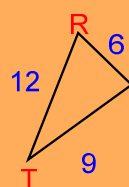
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Are these figures similar?



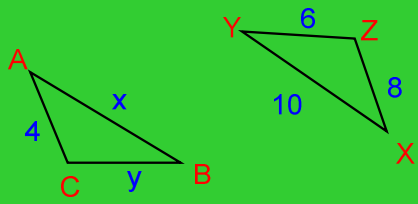
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Ex 3) Find the scale factor of the two figures then find the missing side: $TRS \sim LMN$



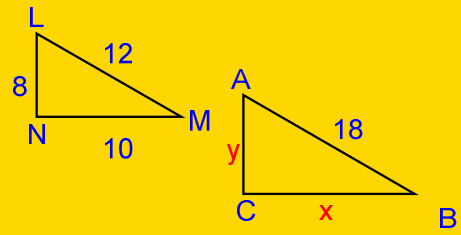
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Ex3b) find x and y: $ABC \sim XYZ$



Feb 11-9:34 AM

Try #2 find x and y. Given $LMN \sim ABC$



Feb 11-9:40 AM