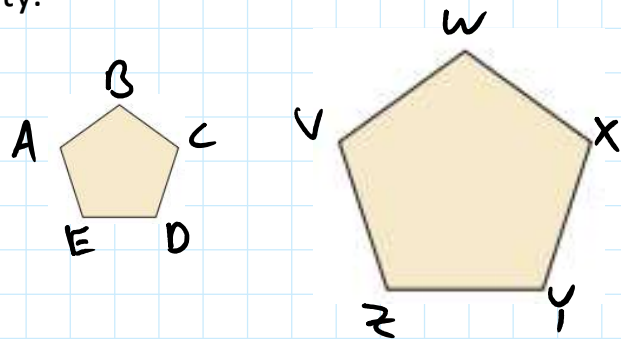


## Sec. 8.1-8.2 Quiz Review

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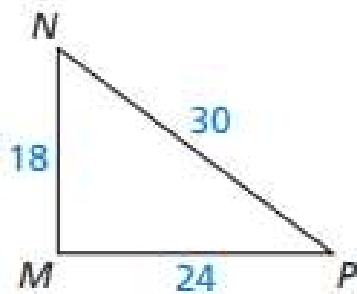
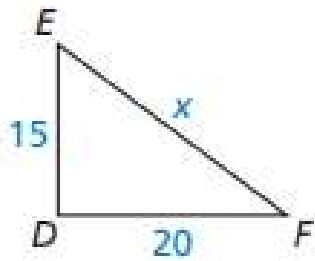
List all pairs of congruent angles. Then write the ratios of the corresponding side lengths in a statement of proportionality.

$$ABCDE \sim VWXYZ$$



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The POLYGONS ARE SIMILAR. Write a proportion and find the value of  $x$ .

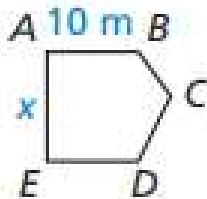


2

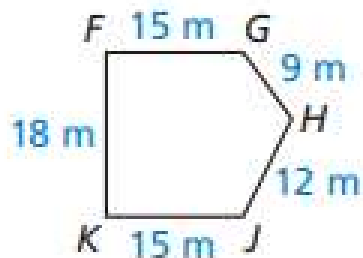
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In the diagram, the two gazebos are similar. Find the perimeter of each given that  $ABCDE \sim FGHIJK$

Gazebo A

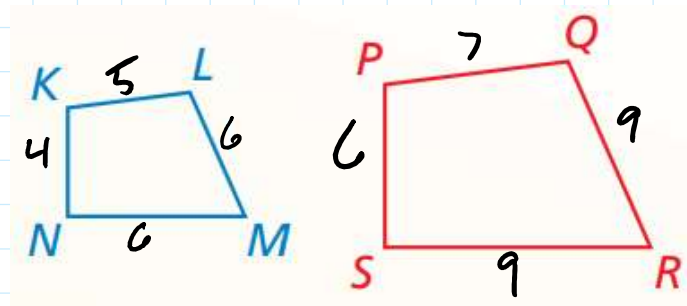


Gazebo B



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Determine whether the polygons are similar. If they are, write a similarity statement.

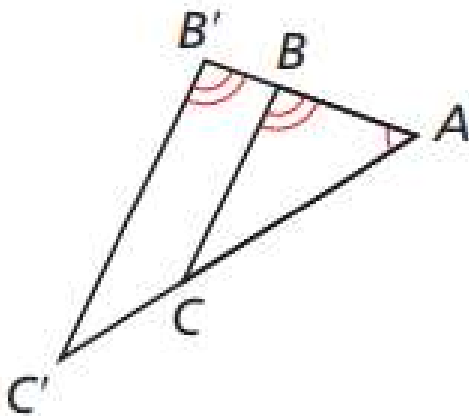


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Show that the two triangles are similar.

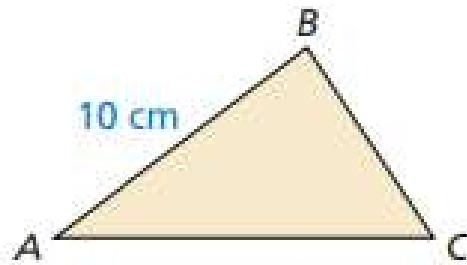
Explain your reasoning.

$$\triangle ABC \sim \triangle AB'C'$$

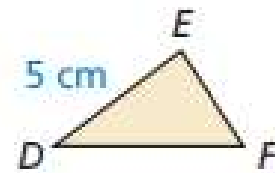


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In the diagram,  $\triangle ABC \sim \triangle DEF$ . Find the area of  $\triangle DEF$ .



Area of  $\triangle ABC = 36 \text{ cm}^2$



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Note card allowed  
Calculator allowed  
12 Questions

GOOD LUCK!