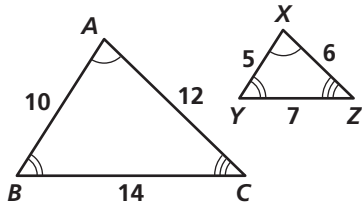


Practice 7-2

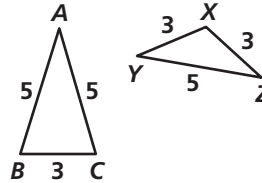
Similar Polygons

Are the polygons similar? If they are, write a similarity statement, and give the similarity ratio. If they are not, explain.

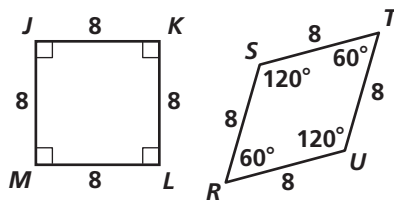
1. _____



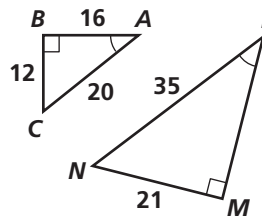
2. _____



3. _____



4. _____



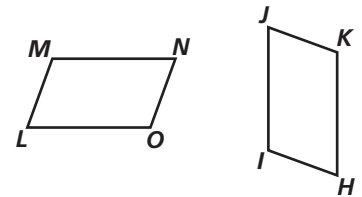
$LMNO \sim HIJK$. Complete the proportions and congruence statements.

5. $\angle M \cong ?$ _____

6. $\angle K \cong ?$ _____

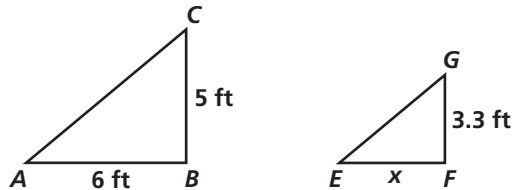
7. $\frac{MN}{IJ} = \frac{?}{JK}$ _____

8. $\frac{HK}{?} = \frac{HI}{LM}$ _____

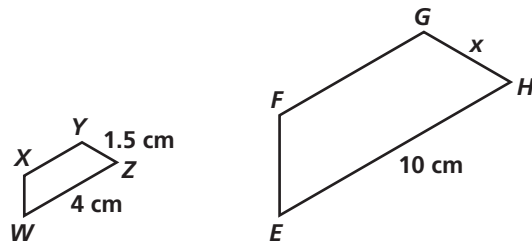


Algebra The polygons are similar. Find the values of the variables.

9. _____



10. _____

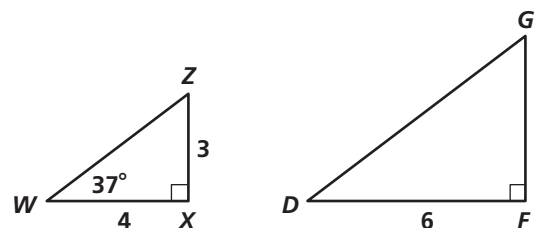


$\triangle WXZ \sim \triangle DFG$. Use the diagram to find the following.

11. the similarity ratio of $\triangle WXZ$ and $\triangle DFG$ _____

12. $m\angle Z$ _____ 13. DG _____

14. GF _____ 15. $m\angle D$ _____



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