

Practice 7-2

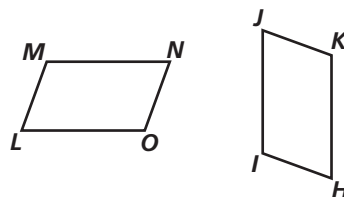
Similar Polygons

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

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

- $\angle M \cong ?$
- $\angle K \cong ?$
- $\angle N \cong ?$
- $\frac{MN}{IJ} = \frac{?}{JK}$
- $\frac{HK}{?} = \frac{HI}{LM}$
- $\frac{IJ}{MN} = \frac{HK}{?}$



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

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

- the similarity ratio of $\triangle WXZ$ and $\triangle DFG$
- $m\angle Z$
- DG
- GF
- $m\angle G$
- $m\angle D$
- WZ

