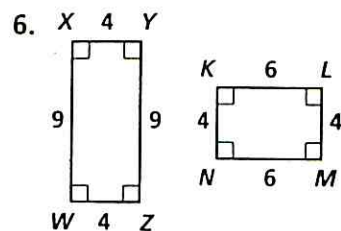
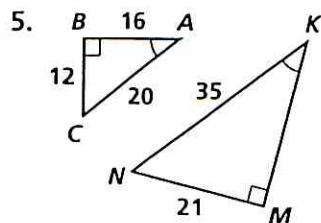
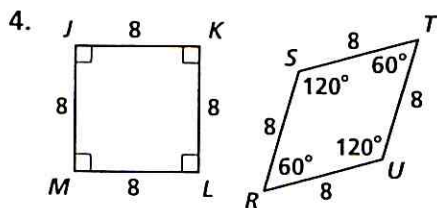
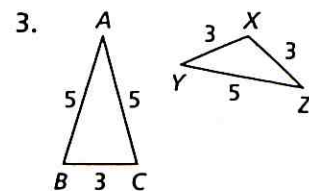
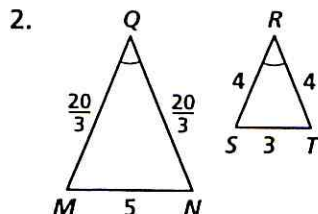
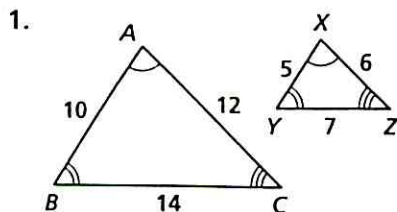


Practice 7-2

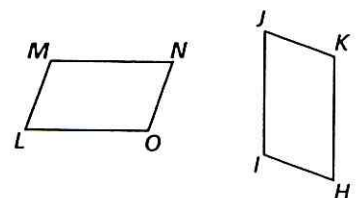
Similar Polygons

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

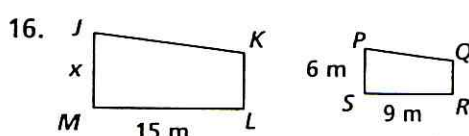
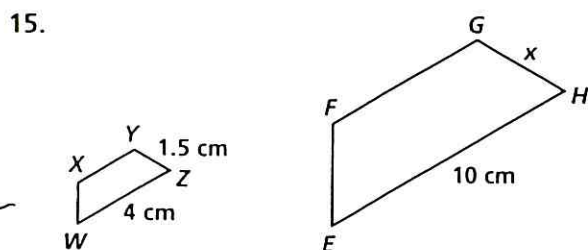
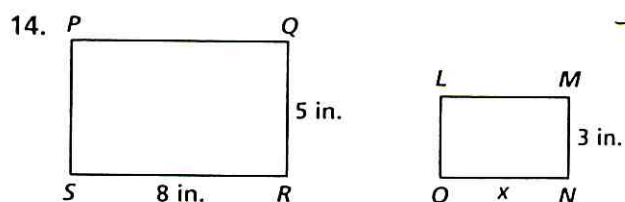
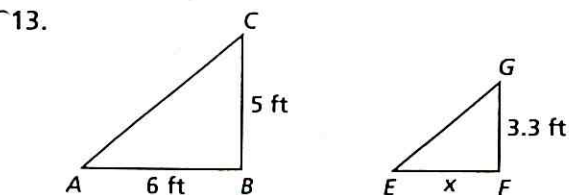


$LMNO \sim HIJK$. Complete the proportions and congruence statements.

7. $\angle M \cong ?$ 8. $\angle K \cong ?$ 9. $\angle N \cong ?$
10. $\frac{MN}{IJ} = \frac{?}{JK}$ 11. $\frac{HK}{?} = \frac{HI}{LM}$ 12. $\frac{IJ}{MN} = \frac{HK}{?}$



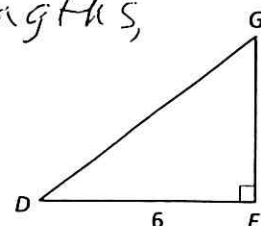
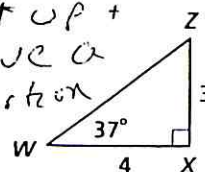
Algebra The polygons are similar. Find the values of the variables.



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

17. the similarity ratio of $\triangle WXZ$ and $\triangle DFG$
18. $m\angle Z$ 19. DG 20. GF
21. $m\angle G$ 22. $m\angle D$ 23. WZ

To find side lengths,
set up +
solve a
proportion



MUST SET UP + SOLVE PROPORTIONS