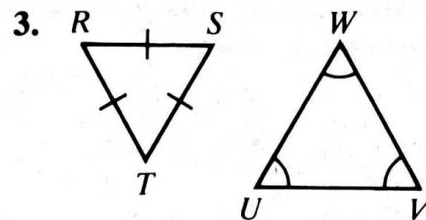
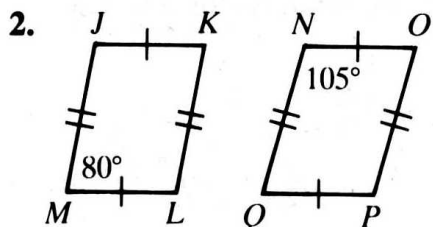
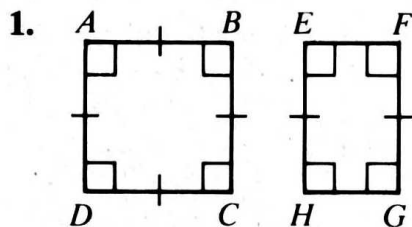


NOTES SECTION 7.3: SIMILAR POLYGONS

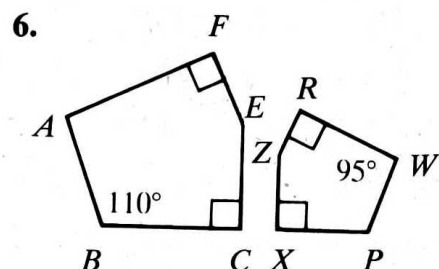
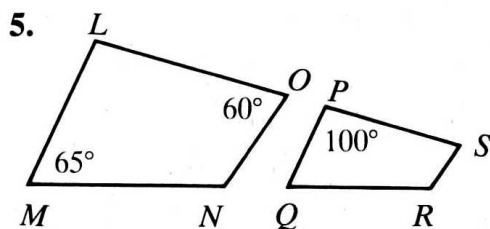
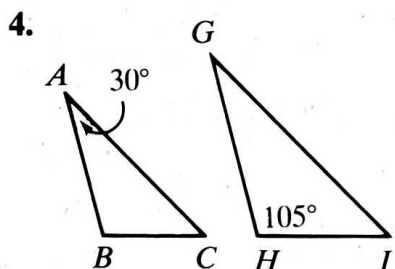
SIMILAR POLYGONS

Blank space for notes.

Are the polygons similar? If not, tell why not.

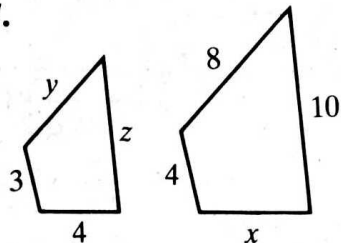


Two similar polygons are shown. Find the measure of each angle.

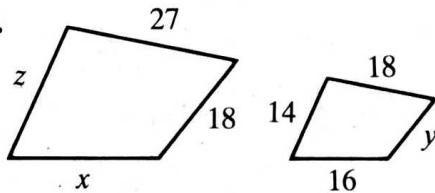


Two similar polygons are shown. Find the scale factor and the values of x , y , and z .

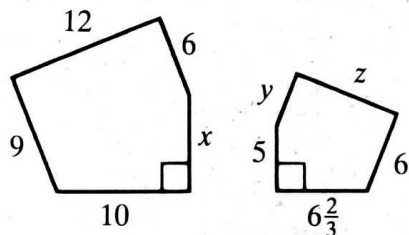
7.



8.



9.



10) $\triangle ABC \sim \triangle A'B'C'$. Their scale factor is _____.

If the perimeter of $\triangle ABC$ is 42, then what is the perimeter of $\triangle A'B'C'$?

11) Quad. $PQRS \sim$ quad. $TUVW$. One side of $PQRS$ has length 12. The corresponding side of $TUVW$ has length _____. The perimeter of $TUVW$ is 35. What is the perimeter of $PQRS$?

12) The perimeters of two similar polygons are 20 and 28. One side of the smaller polygon has length _____. What is the length of the corresponding side of the larger polygon?