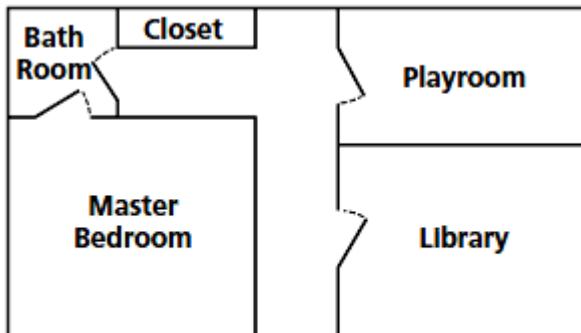


Name: _____ Per: _____

Similarity~ Review 7-1 through 7-3

Find the actual dimensions of each room.

- 1.** playroom



Scale: 1 in. = 16 ft

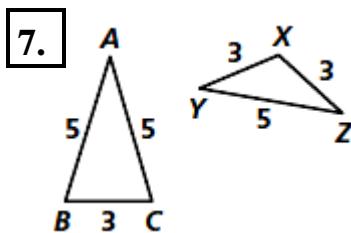
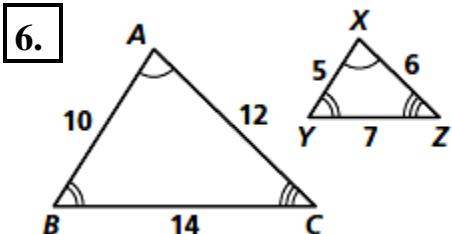
- 2.** library

- 3.** master bedroom

- 4.** bathroom

- 5.** closet

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



LMNO ~ HIJK. Complete the proportions and congruence statements.

8. $\angle M \cong ?$

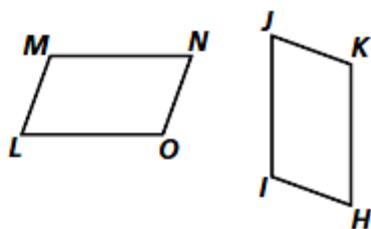
9. $\angle K \cong ?$

10. $\angle N \cong ?$

11. $\frac{MN}{IJ} = \frac{?}{JK}$

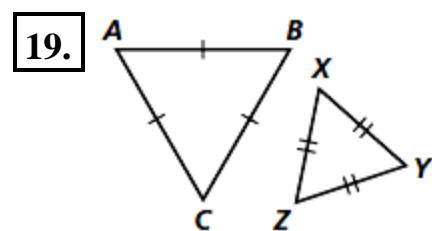
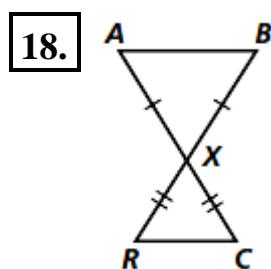
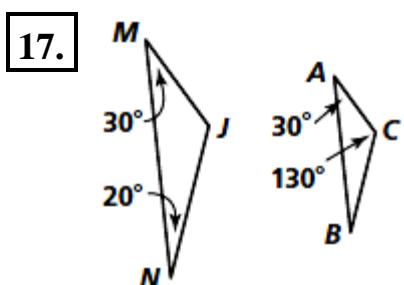
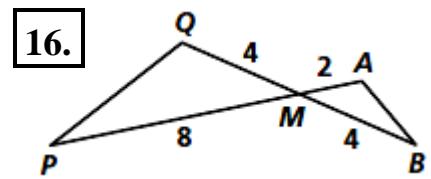
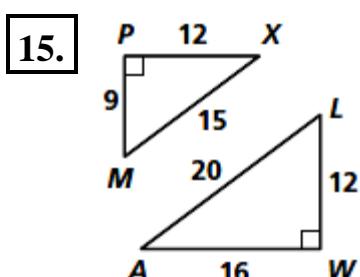
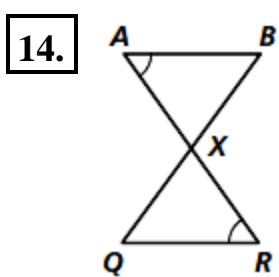
12. $\frac{HK}{?} = \frac{HI}{LM}$

13. $\frac{IJ}{MN} = \frac{HK}{?}$



Explain why the triangles are similar. Write a similarity statement for each pair.

$AA \sim$, $SAS \sim$, or $SSS \sim$



Find the value of x .

