

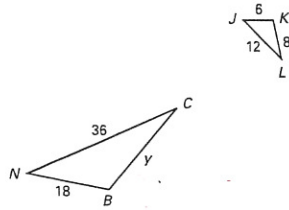
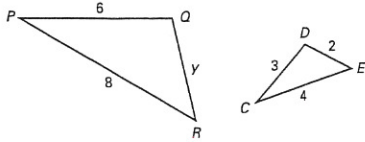
CHAPTER 6 **Chapter Test A**
For use after the chapter "Similarity"

Given similar triangles, list all pairs of congruent angles.

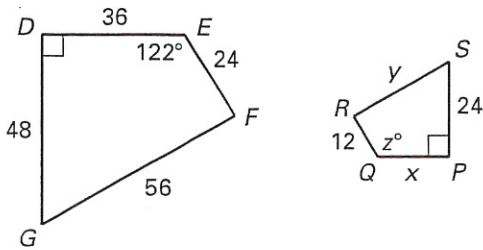
1. $\triangle UVW \sim \triangle ABC$ 2. $\triangle MNP \sim \triangle RST$

Given similar triangles, find the value of y .

3. $\triangle PQR \sim \triangle CDE$ 4. $\triangle JKL \sim \triangle NBC$



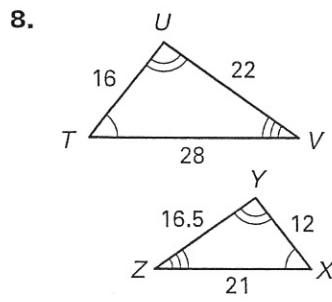
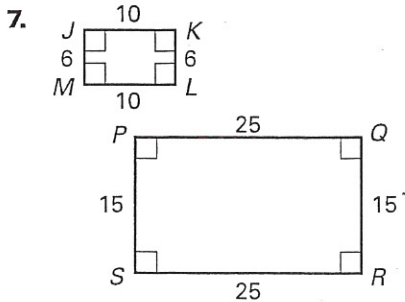
In the diagram, $DEFG \sim PQRS$.



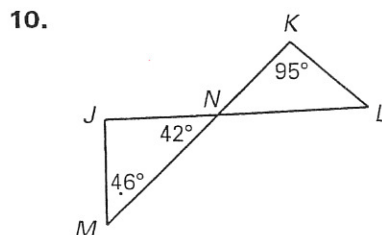
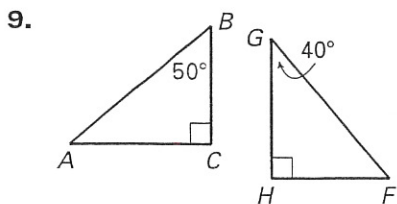
5. Find x .
6. Find y .

6. 2. Find the scale factor of $DEFG$ to $PQRS$.

Determine whether the polygons are similar. If they are, write a similarity statement and find the scale factor.



In Exercises 16–19, determine whether the triangles are similar. If they are, write a similarity statement.



Answers

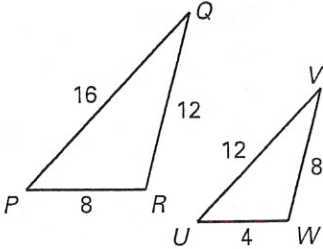
1. _____
2. _____
3. _____
4. _____
5. _____

Answers

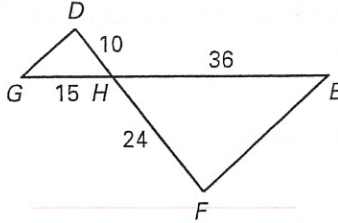
6. _____
6.1 _____
6.2 _____
9. _____
10. _____

Chapter Test A *continued*
For use after the chapter "Similarity"

11.



12.

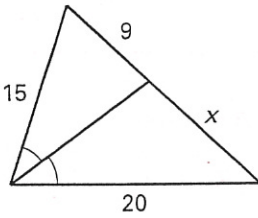


Answers

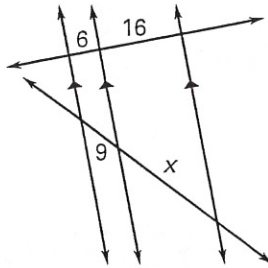
- 11. _____
- _____
- 12. _____
- _____
- 13. _____
- 14. _____
- 15. _____
- 16. _____
- 17. _____
- 18. _____
- 19. _____

Find the value of x .

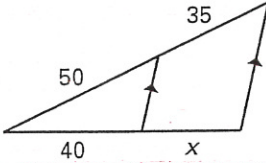
13.



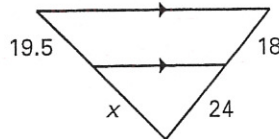
14.



15.



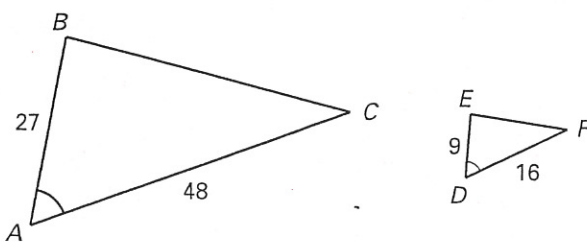
16.



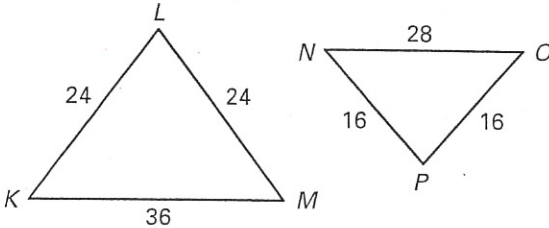
ved.

Determine whether the triangles are similar. If they are similar, write a similarity statement.

17.



18.



19.

