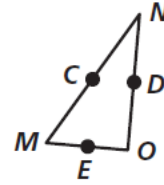


1.

In $\triangle MNO$, the points C , D , and E are midpoints. $CD = 4$ cm,
 $CE = 8$ cm, and $DE = 7$ cm.

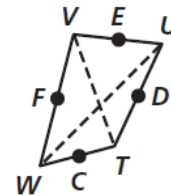
- a. Find MO . b. Find NO . c. Find MN .



2.

In quadrilateral $WVUT$, the points F , E , D , and C are midpoints.
 $WU = 45$ in. and $TV = 31$ in.

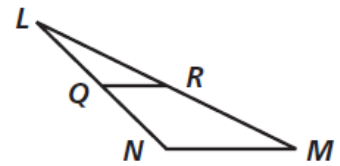
- a. Find CD . b. Find CF . c. Find ED .



3.

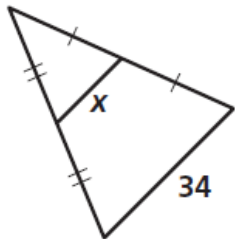
\overline{QR} is a midsegment of $\triangle LMN$.

$QR = 9$. Find NM .

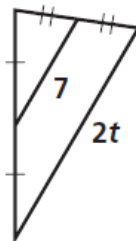


4. Find the value of the variable:

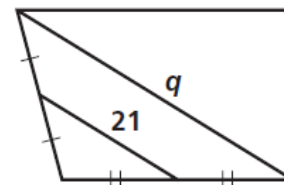
a.



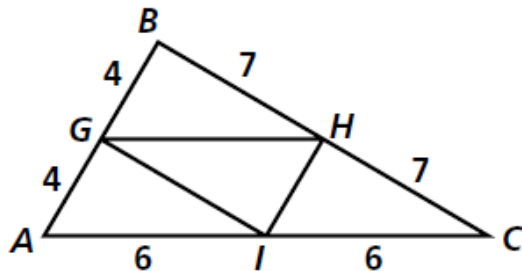
b.



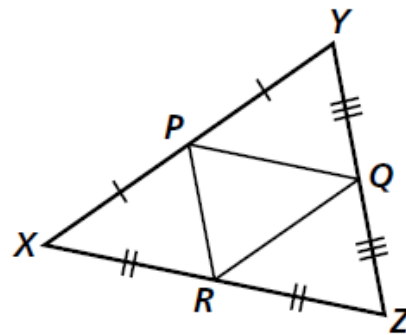
c.



5. Find the perimeter of $\triangle GHI$

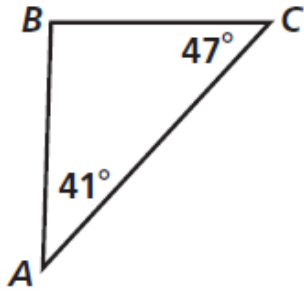


6. Why is $\angle YPQ \cong \angle PXR$? Justify your reasoning.

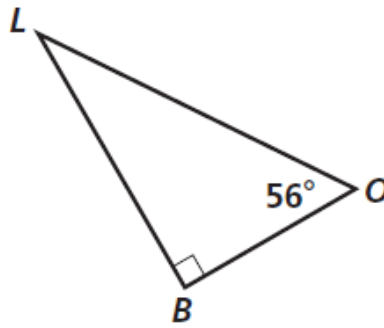


7. List the sides in order of size, largest to smallest.

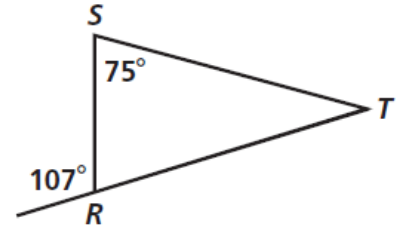
a.



b.

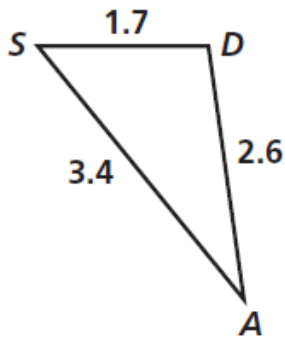


c.

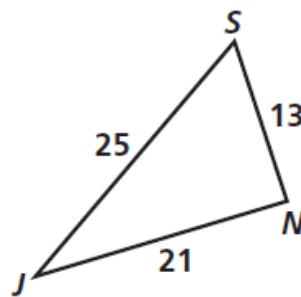


8. List the angles in order of size, largest to smallest.

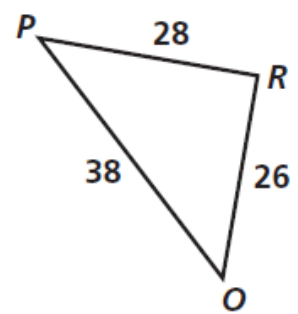
a.



b.



c.



9. Circle the sets of numbers that can be the sides of a triangle.

a.

4, 7, 8

b.

6, 10, 17

c.

4, 4, 4

d.

1, 9, 9

e.

11, 12, 13

f.

18, 20, 40

10. Two sides of a triangle are given. Determine all possible lengths of the third side.

a.

4 and 7

b.

9 and 17

c.

11 and 20