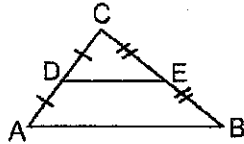


Midsegments of Triangles

Midsegment of a Triangle

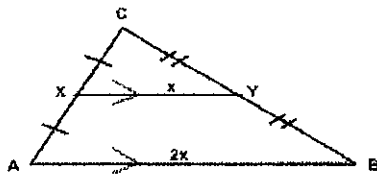
A _____ of a triangle is a segment joining the midpoints of the two sides of a triangle.



_____ is a midsegment of $\triangle ABC$

Triangle Midsegment:

1. _____
2. _____
3. _____

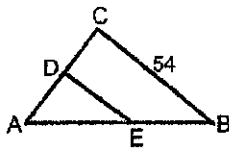


$$\overline{AB} \parallel \overline{XY}$$

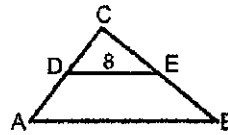
$$XY = \frac{1}{2} AB \text{ or } AB = 2(XY)$$

Examples

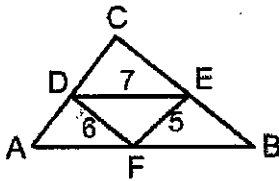
1. Given DE is the length of the midsegment. What is its length?



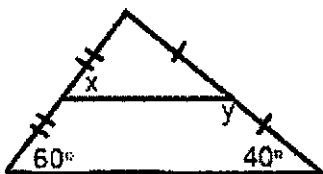
2. Given DE is the length of the midsegment. Find AB.



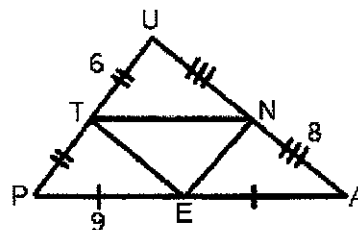
3. Given DE, DF, and FE are the lengths of midsegments. Find the perimeter of $\triangle ABC$. How does this compare to the perimeter of $\triangle DEF$?



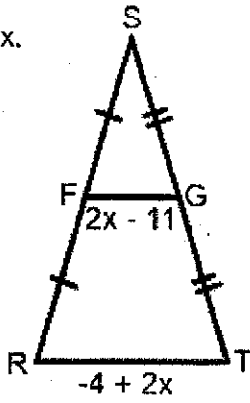
4. Solve for x and y.



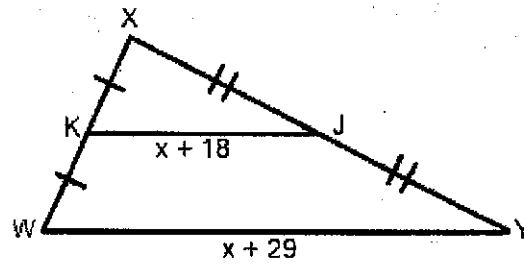
5. What is the perimeter of $\triangle TEN$?



6. Solve for x.



7. Find KJ.



8. Solve for the missing variables.

x = _____

y = _____

z = _____

