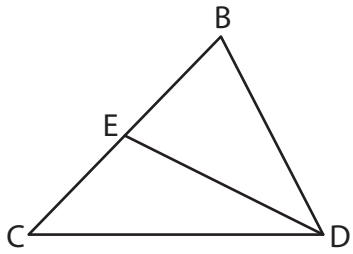
Name : _____

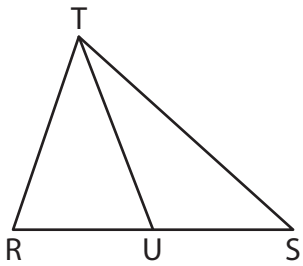
Median of a Triangle

Sheet 2

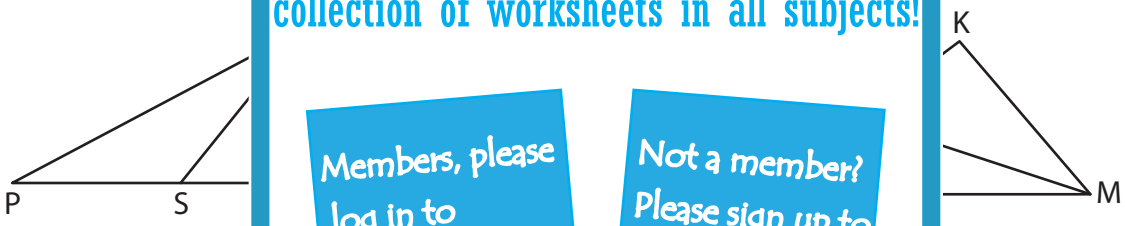
1) B(0, –8) and C(9, 12) are the vertices of ΔBCD. If $\overline{DE}$ is a median, determine the coordinates of E.



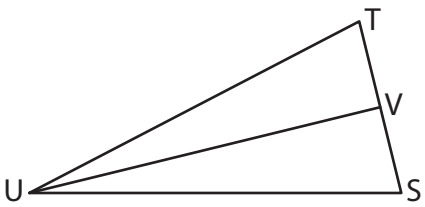
2) R(7, 7) and S(–11, –9) are the vertices of ΔRST. If $\overline{TU}$ is a median, find the coordinates of U.

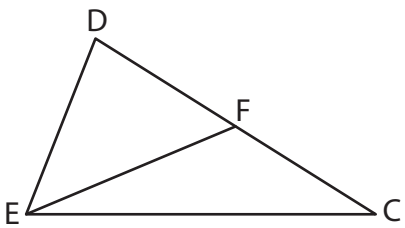


3) P(–2, 6) and Q(10, 8) are) are the vertices of ΔKLM and $\overline{RS}$ is a median. Finc . Determine KN and KL.



5) S(3, 9) and T(12, 9) are th are the vertices of ΔCDE. V(6, 9) lies on the line se e segment CD. Check whether $\overline{UV}$ is a median lian of ΔCDE.





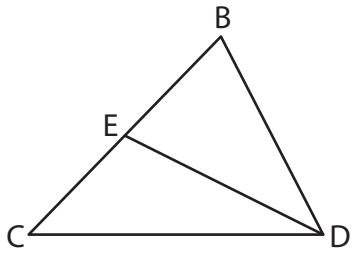
Name : _____

Answer key

Median of a Triangle

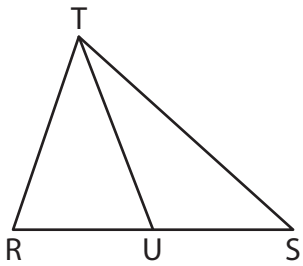
Sheet 2

1) B(0, –8) and C(9, 12) are the vertices of ΔBCD. If $\overline{DE}$ is a median, determine the coordinates of E.



$\left(\frac{9}{2}, 2\right)$

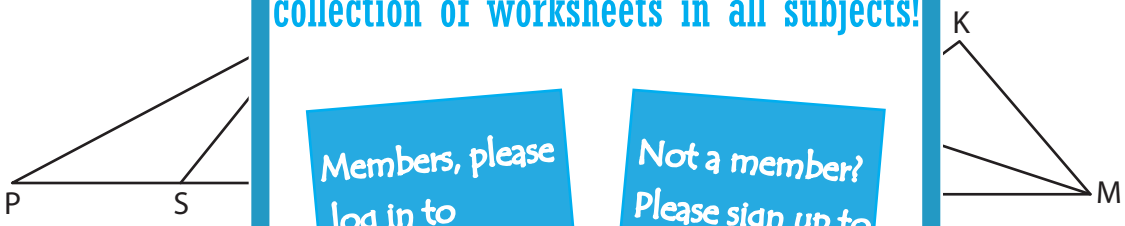
2) R(7, 7) and S(–11, –9) are the vertices of ΔRST. If $\overline{TU}$ is a median, find the coordinates of U.



-1)

3) P(–2, 6) and Q(10, 8) are
and $\overline{RS}$ is a median. Finc

) are the vertices of ΔKLM
. Determine KN and KL.

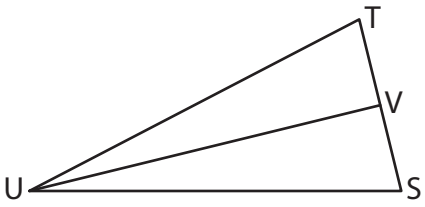


PQ = $2\sqrt{37}$ units ; SQ

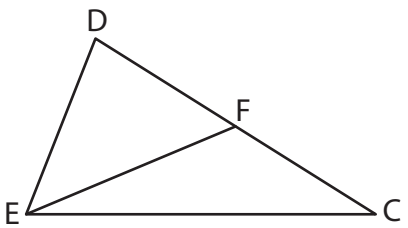
KL = 10 units

5) S(3, 9) and T(12, 9) are th
V(6, 9) lies on the line se
whether $\overline{UV}$ is a median

are the vertices of ΔCDE.
e segment CD. Check
lian of ΔCDE.



No



Yes