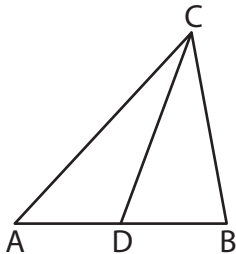
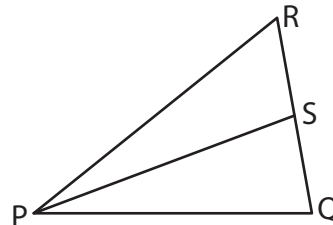


Median of a Triangle

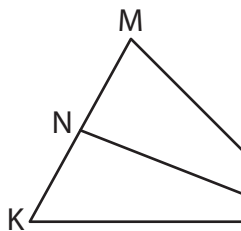
- 1) $A(-1, -2)$ and $B(13, -4)$ are the vertices of $\triangle ABC$ and \overline{CD} is a median. Find the coordinates of D .



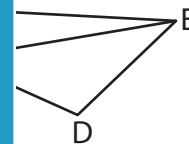
- 2) $Q(-5, 6)$ and $R(8, 12)$ are the vertices of $\triangle PQR$. If \overline{PS} is a median, determine the coordinates of S .



- 3) $K(3, -7)$ and $M(11, -7)$ are the vertices of $\triangle KLM$. If \overline{LN} is a median, and KM .



- $L(3, 1)$ and $E(13)$ are the vertices of $\triangle CDE$. Find CD and CE .



PREVIEW

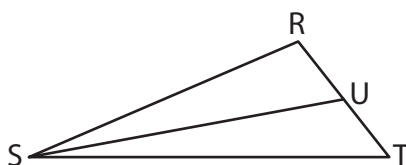
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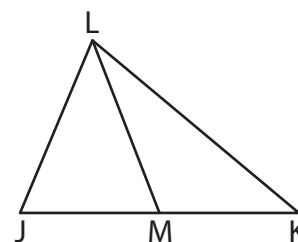
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- 5) $T(-6, 3)$ and $R(8, -9)$ are the vertices of $\triangle RST$. If $U(1, -3)$ lies on the line segment RT , check whether \overline{SU} is a median of $\triangle RST$.

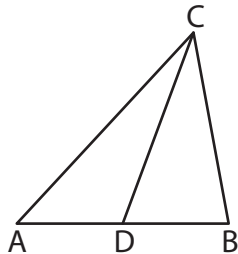


- $J(1, 1)$ and $K(13, 1)$ are the vertices of $\triangle JKL$. If $M(7, 1)$ is the midpoint of the segment JK , check whether \overline{LM} is a median of $\triangle JKL$.



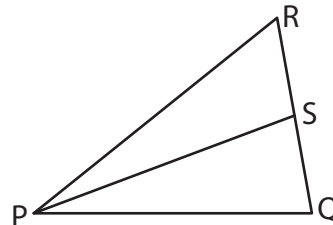
Median of a Triangle

- 1) $A(-1, -2)$ and $B(13, -4)$ are the vertices of $\triangle ABC$ and \overline{CD} is a median. Find the coordinates of D.

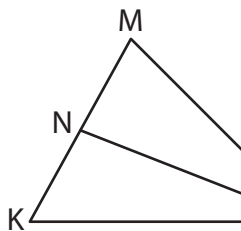


(6, -3)

- 2) $Q(-5, 6)$ and $R(8, 12)$ are the vertices of $\triangle PQR$. If \overline{PS} is a median, determine the coordinates of S.

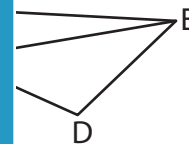


- 3) $K(3, -7)$ and $M(11, -7)$ are the vertices of $\triangle KLM$. If \overline{LN} is a median, and $KN = 4$ units, find KM .



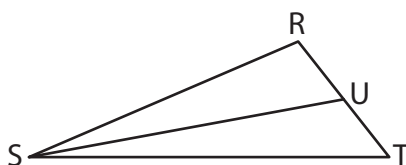
$KN = 4$ units ; $KM = 8$ units

- 4) $C(2, 1)$ and $E(8, 5)$ are the vertices of $\triangle CDE$. If \overline{DF} is a median, find CD and CF .



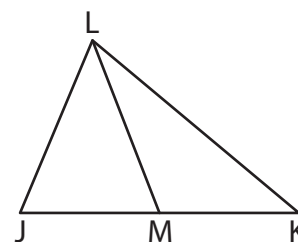
$CF = \sqrt{5}$ units

- 5) $T(-6, 3)$ and $R(8, -9)$ are the vertices of $\triangle STU$. If $U(1, -3)$ lies on the line segment TR , check whether \overline{SU} is a median of $\triangle STU$.



Yes

- 6) $J(1, 1)$ and $K(5, 1)$ are the vertices of $\triangle JKL$. If $M(3, 1)$ is the midpoint of the segment JK , check whether \overline{LM} is a median of $\triangle JKL$.



No

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