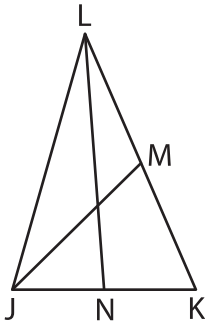
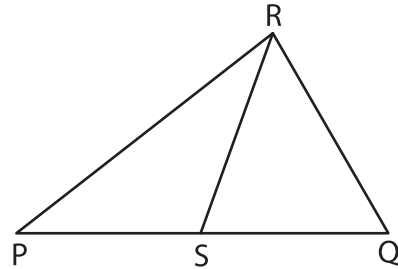


# Median of a Triangle

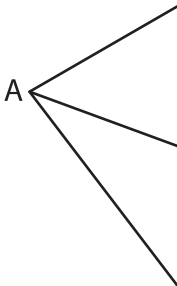
- 1) In  $\triangle JKL$ ,  $\overline{JM}$  and  $\overline{LN}$  are medians. If  $JK = 5$  feet and  $LM = 3$  feet, determine  $JN$  and  $LK$ .



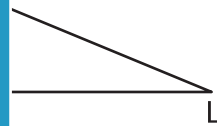
- 2) In  $\triangle PQR$ ,  $\overline{RS}$  is a median. If  $PS = 4$  yards, find  $SQ$ .



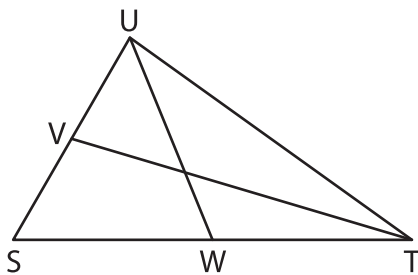
- 3)  $\overline{AD}$  is a median of  $\triangle ABC$  and  $CD = (9x - 17)$  inches.



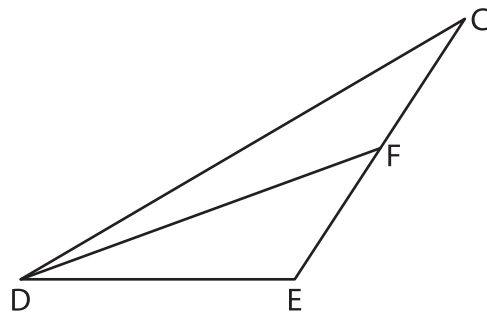
- 4) In  $\triangle KLM$ , if  $KL = (-4x)$  feet and  $LM = 12$  feet, determine the value of  $x$ .



- 5) In  $\triangle STU$ ,  $\overline{TV}$  and  $\overline{UW}$  are medians. If  $\overline{US}$  measure  $(6x + 4)$  yards and  $\overline{VT}$  measure  $(-6x + 49)$  yards, determine the length of  $\overline{ST}$ .



- 6) In  $\triangle CDE$ , if  $EF = (x - 3)$  inches and  $DF = 12$  inches, determine the length of  $\overline{DE}$ .



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