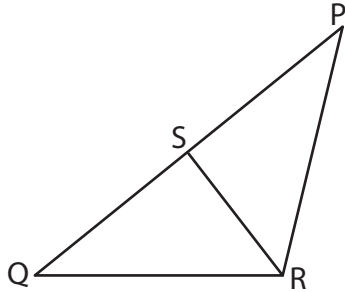


Name : _____

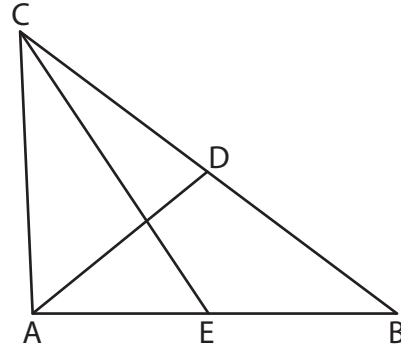
Median of a Triangle

Sheet 1

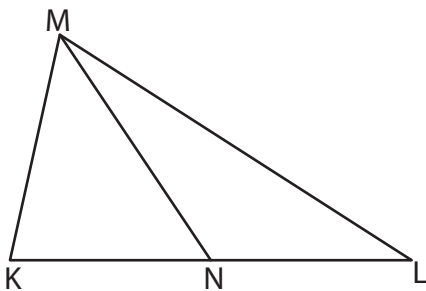
- 1) In $\triangle PQR$, \overline{RS} is a median. If $PQ = 7$ inches, find PS .



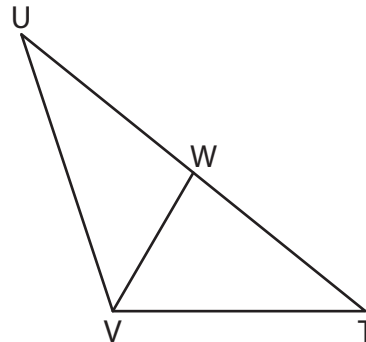
- 2) In $\triangle ABC$, \overline{AD} and \overline{CE} are medians. If $AE = 6$ feet and $BC = 14$ feet, determine BE and CD .



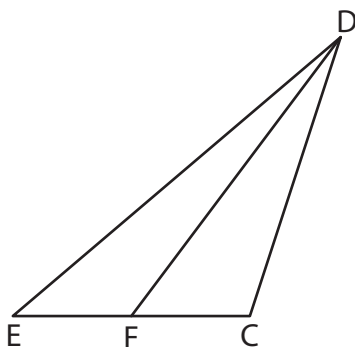
- 3) \overline{MN} is a median of $\triangle KLM$. If $KL = (8x - 6)$ yards and $KN = (6 - 5x)$ yards, determine the value of x .



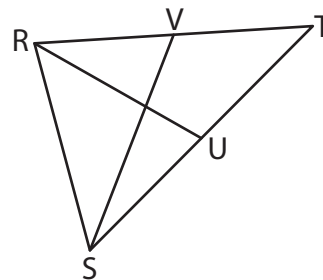
- 4) \overline{VW} is a median of $\triangle TUV$. If $TW = (-5 - 2x)$ inches and $UV = (3x + 15)$ inches, find the value of x .



- 5) \overline{DF} is a median of $\triangle CDE$. If $EC = (-8x)$ feet and $CF = (-x + 9)$ feet, determine the length of \overline{EF} .

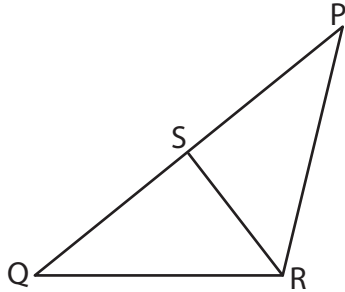


- 6) In $\triangle RST$, \overline{RU} and \overline{SV} are medians. If \overline{SU} , \overline{TU} and \overline{RV} measure $(3x + 16)$ yards, $(8 + 4x)$ yards and $(7x - 20)$ yards respectively, find the length of \overline{VT} .



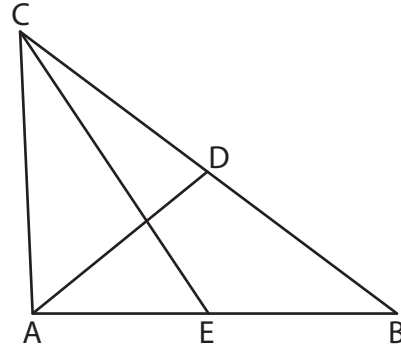
Median of a Triangle

- 1) In $\triangle PQR$, \overline{RS} is a median. If $PQ = 7$ inches, find PS .



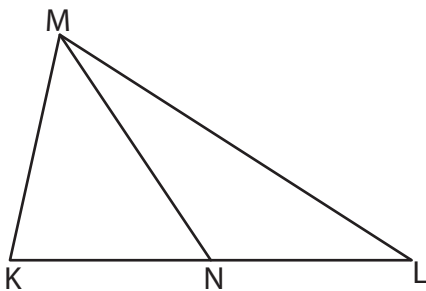
$PS = 3.5$ inches

- 2) In $\triangle ABC$, \overline{AD} and \overline{CE} are medians. If $AE = 6$ feet and $BC = 14$ feet, determine BE and CD .



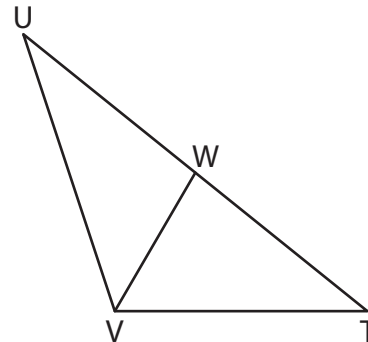
$BE = 6$ feet ; $CD = 7$ feet

- 3) \overline{MN} is a median of $\triangle KLM$. If $KL = (8x - 6)$ yards and $KN = (6 - 5x)$ yards, determine the value of x .



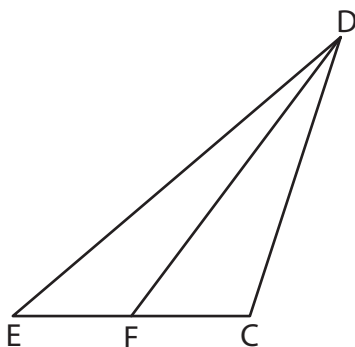
$x = 1$

- 4) \overline{VW} is a median of $\triangle TUV$. If $TW = (-5 - 2x)$ inches and $UV = (3x + 15)$ inches, find the value of x .



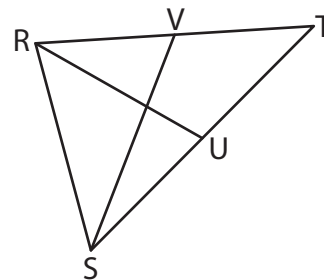
$x = -4$

- 5) \overline{DF} is a median of $\triangle CDE$. If $EC = (-8x)$ feet and $CF = (-x + 9)$ feet, determine the length of \overline{EF} .



$x = -3$; $EF = 12$ feet

- 6) In $\triangle RST$, \overline{RU} and \overline{SV} are medians. If \overline{SU} , \overline{TU} and \overline{RV} measure $(3x + 16)$ yards, $(8 + 4x)$ yards and $(7x - 20)$ yards respectively, find the length of \overline{VT} .



$x = 8$; $VT = 36$ yards