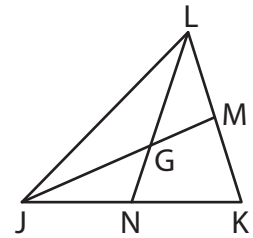
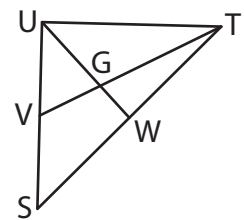


Median and Centroid

- 1) \overline{JM} and \overline{LN} are medians of $\triangle JKL$. If $GN = (4x - 3)$ feet and $LN = (9x)$ feet, determine the value of x .



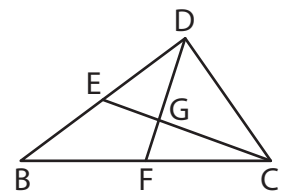
- 2) In $\triangle STU$, \overline{UV} and \overline{GW} measure $(3 - 2x)$ yards and $(-x - 1)$ yards respectively. For what value of x , \overline{TV} and \overline{UW} are medians of $\triangle STU$?



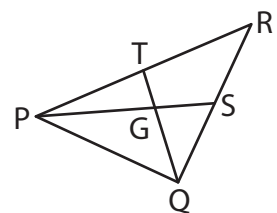
- 3) In $\triangle BCD$, \overline{CE} and \overline{DF} are medians. If $EG = (3x + 9)$ inches, find the value of x .

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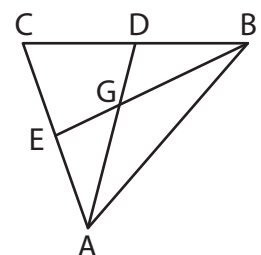
$EG = (3x + 9)$ inches, find



- 4) \overline{PS} and \overline{QT} are medians of $\triangle PQR$. If $GS = 12$ feet and $QT = (6x)$ feet, find x .



- 5) \overline{AD} and \overline{BE} are medians of $\triangle ABC$. If $GD = (8x + 12)$ inches, $AG = (-2 - 10x)$ inches and $BG = (1 - 8x)$ inches, find BE .



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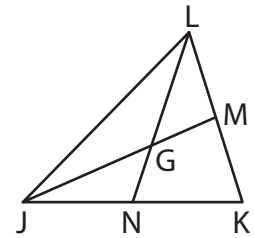
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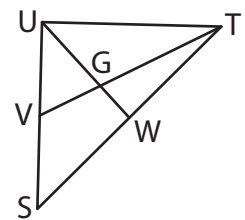
Median and Centroid

- 1) \overline{JM} and \overline{LN} are medians of $\triangle JKL$. If $GN = (4x - 3)$ feet and $LN = (9x)$ feet, determine the value of x .



$x = 3$

- 2) In $\triangle STU$, \overline{UW} and \overline{GV} measure $(3 - 2x)$ yards and $(-x - 1)$ yards respectively. For what value of x , \overline{TV} and \overline{UW} are medians of $\triangle STU$?

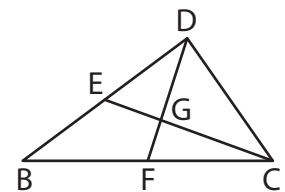


$x = -6$

- 3) In $\triangle ABC$, \overline{CE} and \overline{DF} are medians intersecting at G . If $CG = (3x + 9)$ inches, find the value of x .

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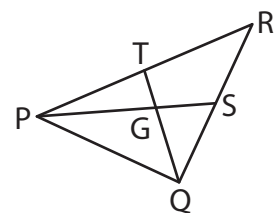
$CG = (3x + 9)$ inches, find



$x = 11$

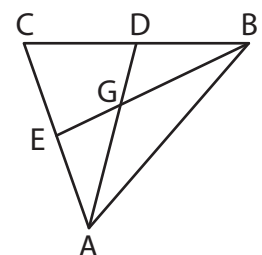
- 4) \overline{PS} and \overline{QT} are medians of $\triangle PQR$ intersecting at G . If $PG = 4$ feet and $QT = (6x)$ feet, find x .

feet and $(6x)$ feet



$x = 4 ; PS = 36$ feet

- 5) \overline{AD} and \overline{BE} are medians of $\triangle ABC$. If $GD = (8x + 12)$ inches, $AG = (-2 - 10x)$ inches and $BG = (1 - 8x)$ inches, find BE .



$x = -1 ; BE = 13.5$ inches

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