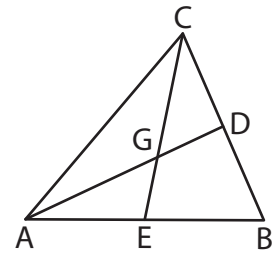
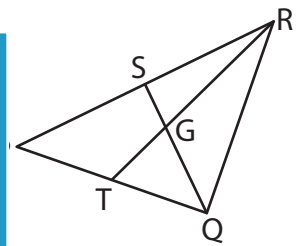


Median and Centroid

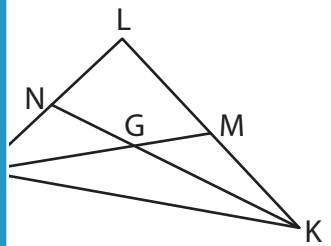
- 1) In $\triangle ABC$, \overline{AD} and \overline{CE} are medians. If \overline{GD} and \overline{AG} measure $(-2x)$ inches and $(-5x - 2)$ inches respectively, find the value of x .



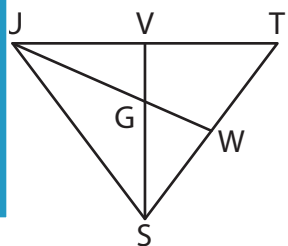
- 2) \overline{QS} and \overline{RT} are medians of $\triangle PQR$. If $QS = (4x + 1)$ feet and $GS = (2 + x)$ feet, determine the value of x .



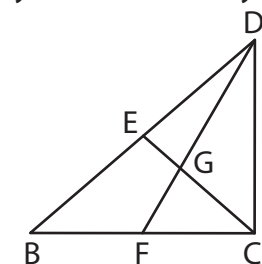
- 3) In $\triangle JKL$, \overline{KN} and \overline{KM} are medians. If $\overline{GN} = (7x - 1)$ inches and $\overline{GM} = (2x + 3)$ inches respectively. For what value of x , \overline{JM} and \overline{KN} are parallel?



- 4) In $\triangle STU$, \overline{SV} and \overline{UV} are medians. If $\overline{VG} = (7x - 1)$ inches and $\overline{UG} = (21 - 6x)$ inches, determine the value of x .



- 5) \overline{CE} and \overline{DF} are medians of $\triangle BCD$. If \overline{GE} and \overline{CE} measure $(9x - 19)$ yards and $(8x)$ yards respectively, determine the length of \overline{CG} .



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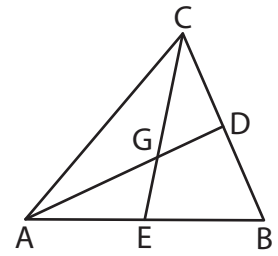
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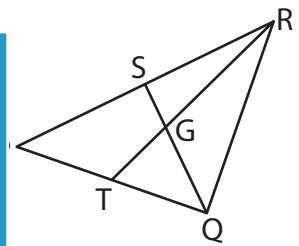
Median and Centroid

- 1) In $\triangle ABC$, \overline{AD} and \overline{CE} are medians. If \overline{GD} and \overline{AG} measure $(-2x)$ inches and $(-5x - 2)$ inches respectively, find the value of x .



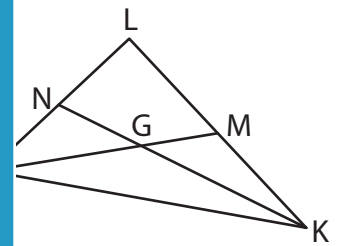
$x = -2$

- 2) \overline{QS} and \overline{RT} are medians of $\triangle PQR$. If $QS = (4x + 1)$ feet and $GS = (2 + x)$ feet, determine the value of x .



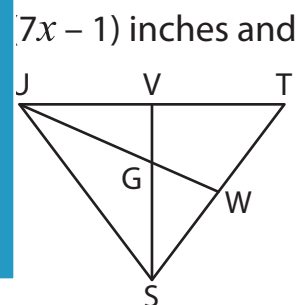
$x = 5$

- 3) In $\triangle JKL$, \overline{KN} and \overline{KM} are medians. If $\overline{GN} = (3x - 2)$ inches and $\overline{GM} = (7x - 1)$ inches respectively, for what value of x , \overline{JM} and \overline{KN} are parallel?



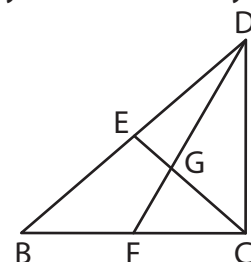
$x = -4$

- 4) In $\triangle STU$, \overline{SV} and \overline{UV} are medians. If $\overline{VG} = (7x - 1)$ inches and $\overline{UG} = (21 - 6x)$ inches, determine the length of \overline{SV} .



$x = 1$; $GV = 7.5$ inches

- 5) \overline{CE} and \overline{DF} are medians of $\triangle BCD$. If \overline{GE} and \overline{CE} measure $(9x - 19)$ yards and $(8x)$ yards respectively, determine the length of \overline{CG} .



$x = 3$; $CG = 16$ yards

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