Name : _____

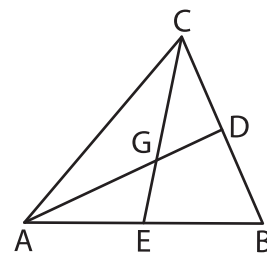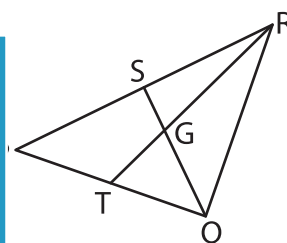## Median and Centroid

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

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2) $\overline{QS}$ and $\overline{RT}$ are medians of ΔPQR. If QS = $(4x + 1)$ feet and GS = $(2 + x)$ feet, determine the value of x.
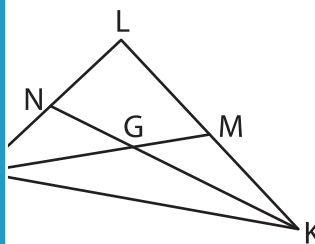
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3) In ΔJKL, $\overline{KN}$ and $\overline{KG}$ ... respectively. For what value of x, $\overline{JM}$ and ...

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4) In ΔSTU, $\overline{SV}$ and $\overline{UV}$ ... $(7x - 1)$ inches and UG = $(21 - 6x)$ inch...

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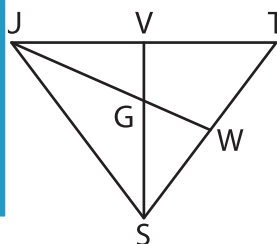
5) $\overline{CE}$ and $\overline{DF}$ are medians of ΔBCD. If $\overline{GE}$ and $\overline{CE}$ measure $(9x - 19)$ yards and $(8x)$ yards respectively, determine the length of $\overline{CG}$.

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