



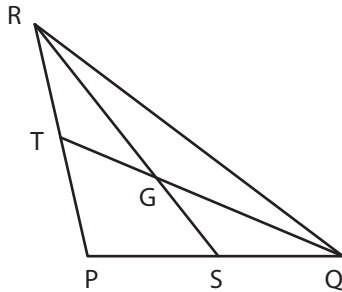
Median and Centroid

Name _____

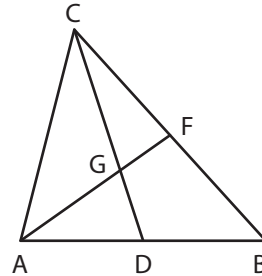
Score _____

MC:19

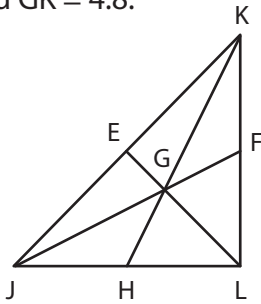
- 1) \overline{QT} and \overline{RS} are medians of triangle PQR. If $SG = 3$ and $QG = 4$, find RG and TG .



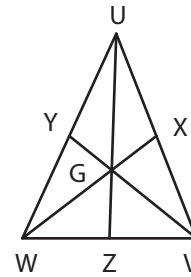
- 2) \overline{AF} and \overline{CD} are medians of triangle ABC. Find CD and AG , if $FG = 1.2$ and $CG = 5.6$



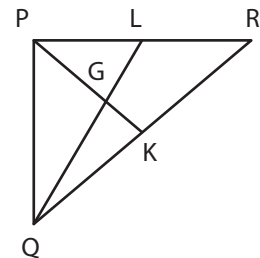
- 3) The triangle JKL with medians \overline{JF} , \overline{KH} and \overline{LE} . Find GL , KH and JG ; if $FG = 2.1$, $LE = 6$ and $GK = 4.8$.



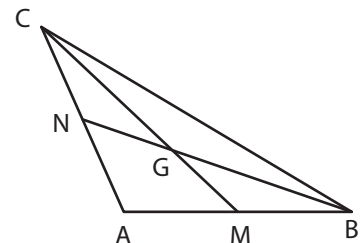
- 4) The triangle UVW whose medians \overline{UZ} , \overline{VY} and \overline{WX} . If $VY = 7.2$, $UG = 5$ and $XG = 1$, find WX , VG and ZG .



- 5) \overline{PK} and \overline{QL} are the medians of the triangle PQR. If $KG = (x + 1)$ and $PG = (14 - x)$, find the value of x and PK .



- 6) \overline{BN} and \overline{CM} are the medians of the triangle ABC. If $MG = (3x)$ and $CG = (5 + x)$, find the value of x .





Median and Centroid

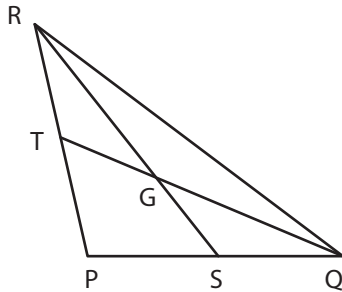
Name _____

Score _____

Answer key

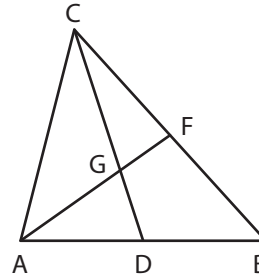
MC:19

- 1) \overline{QT} and \overline{RS} are medians of triangle PQR. If $SG = 3$ and $QG = 4$, find RG and TG .



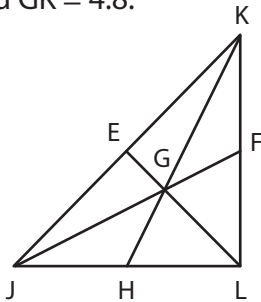
$RG = 6 ; TG = 2$

- 2) \overline{AF} and \overline{CD} are medians of triangle ABC. Find CD and AG , if $FG = 1.2$ and $CG = 5.6$



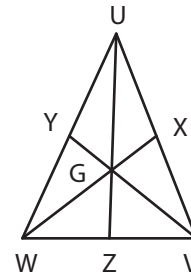
$AG = 2.4 ; CG = 8.4$

- 3) The triangle JKL with medians \overline{JF} , \overline{KH} and \overline{LE} . Find GL , KH and JG ; if $FG = 2.1$, $LE = 6$ and $GK = 4.8$.



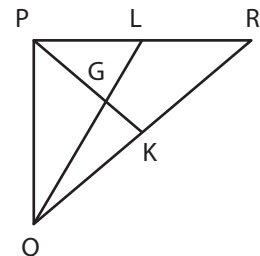
$GL = 4 ; KH = 7.2 ; JG = 4.2$

- 4) The triangle UVW whose medians \overline{UZ} , \overline{VY} and \overline{WX} . If $VY = 7.2$, $UG = 5$ and $XG = 1$, find WX , VG and ZG .



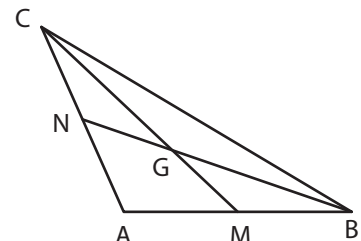
$WX = 3 ; VG = 4.8 ; ZG = 2.5$

- 5) \overline{PK} and \overline{QL} are the medians of the triangle PQR. If $KG = (x + 1)$ and $PG = (14 - x)$, find the value of x and PK .



$x = 4 ; PK = 15$

- 6) \overline{BN} and \overline{CM} are the medians of the triangle ABC. If $MG = (3x)$ and $CG = (5 + x)$, find the value of x .



$x = 1$