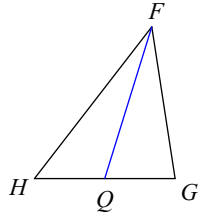


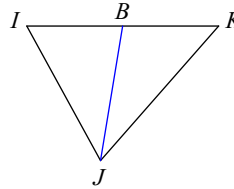
Triangle Segments

Each figure shows a triangle with one or more of its medians.

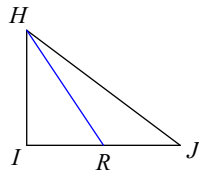
1) Find QG if $HG = 16$



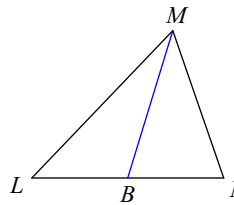
2) Find KI if $BI = 11$



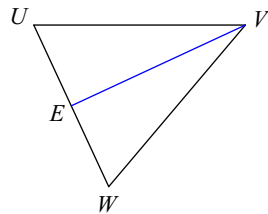
3) Find RJ if $IJ = 8$



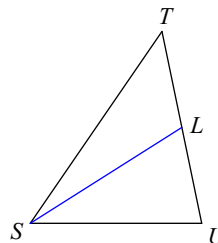
4) Find BN if $LN = 22$



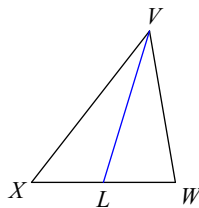
5) Find x if $UW = 4x - 6$ and $EW = x + 3$



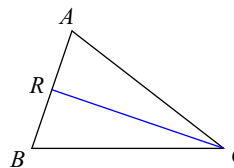
6) Find x if $UT = 10x + 3$ and $LT = 10x - 5$



7) Find x if $LW = 2x$ and $LX = x + 5$

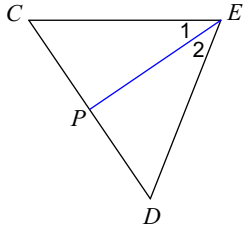


8) Find x if $RB = 7 + x$ and $RA = 2 + 2x$

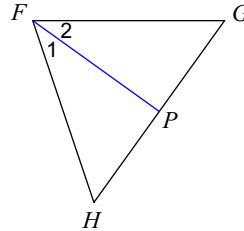


Each figure shows a triangle with one of its angle bisectors.

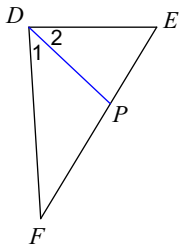
9) $m\angle CED = 68^\circ$. Find $m\angle 2$.



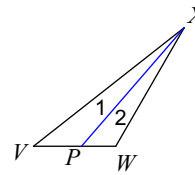
10) Find $m\angle 1$ if $m\angle 2 = 35^\circ$.



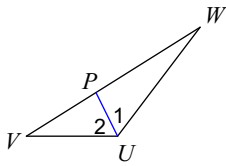
11) $m\angle 1 = 43^\circ$. Find $m\angle FDE$.



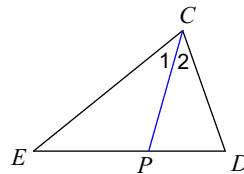
12) $m\angle VXW = 22^\circ$. Find $m\angle 2$.



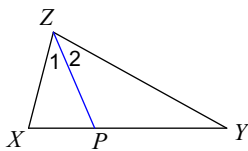
13) $m\angle 2 = 8x - 9$ and $m\angle WUV = 14x$.
Find x .



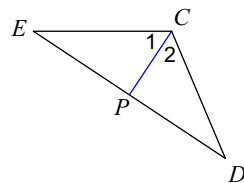
14) Find x if $m\angle 1 = 3x + 8$ and $m\angle 2 = 4x - 1$.



15) $m\angle 1 = 4x + 10$ and $m\angle XZY = 11x - 1$.
Find x .

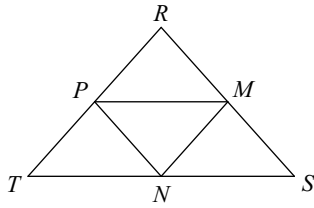


16) Find x if $m\angle 1 = 55x + 1$ and $m\angle ECD = 113x - 1$.



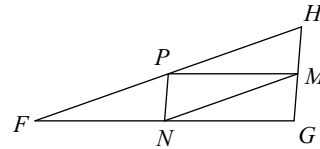
In each triangle, M, N, and P are the midpoints of the sides. Name a segment parallel to the one given.

17)



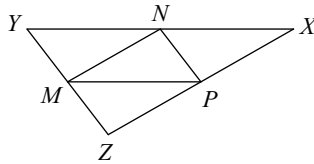
$\overline{RT} \parallel \underline{\hspace{1cm}}$

18)



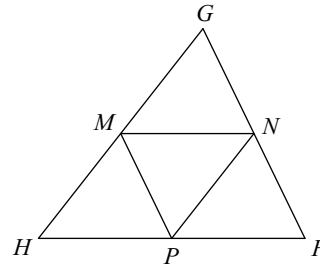
$\overline{HG} \parallel \underline{\hspace{1cm}}$

19)



$\overline{ZX} \parallel \underline{\hspace{1cm}}$

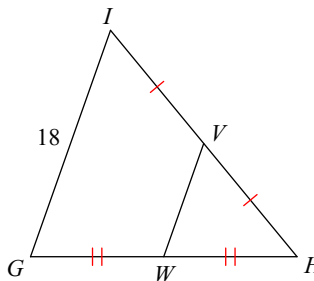
20)



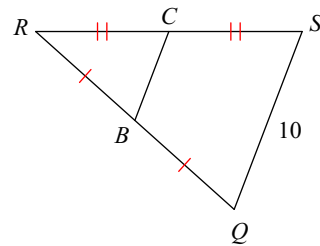
$\underline{\hspace{1cm}} \parallel \overline{GF}$

Find the missing length indicated.

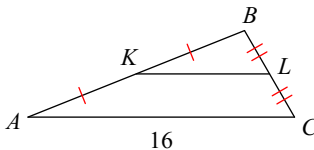
21) Find VW



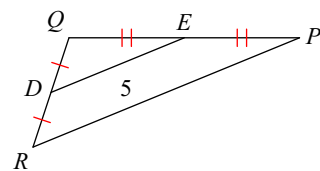
22) Find BC



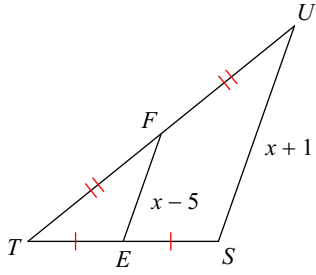
23) Find KL



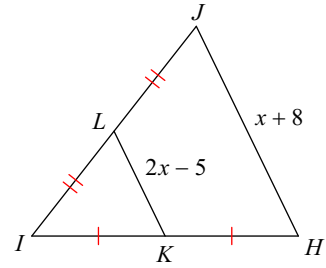
24) Find RP



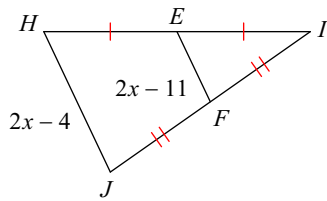
25) Find SU



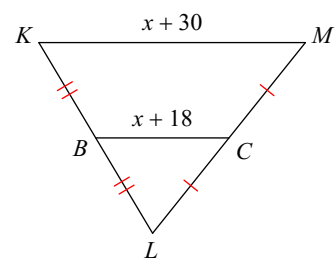
26) Find KL



27) Find EF



28) Find MK



State which of the following is drawn: altitude, perpendicular bisector, median, or angle bisector. JUSTIFY YOUR ANSWER!!!!

29)

30)

31)

32)