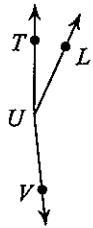
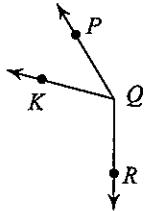


Angle Addition Postulate

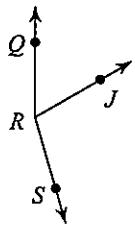
- 1) Find $m\angle TUV$ if $m\angle TUL = 24^\circ$
and $m\angle LUV = 150^\circ$.



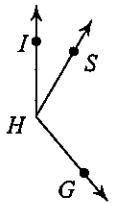
- 2) Find $m\angle KQP$ if $m\angle RQK = 105^\circ$
and $m\angle RQP = 149^\circ$.



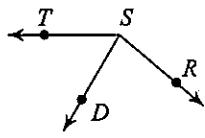
- 3) Find $m\angle QRJ$ if $m\angle QRS = 164^\circ$
and $m\angle JRS = 104^\circ$.



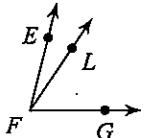
- 4) Find $m\angle IHG$ if $m\angle SHG = 110^\circ$
and $m\angle IHS = 30^\circ$.



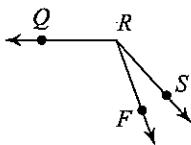
- 5) Find x if $m\angle DST = 12x$, $m\angle RST = 140^\circ$,
and $m\angle RSD = 17x - 5$.



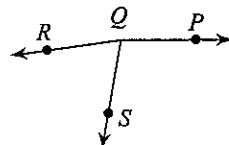
- 6) $m\angle EFG = 76^\circ$, $m\angle EFL = x + 27$,
and $m\angle LFG = 63 + x$. Find x .



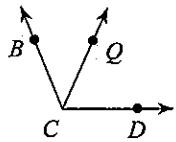
- 7) Find x if $m\angle FRQ = 118 + x$, $m\angle SRQ = 132^\circ$, and $m\angle SRF = x + 30$.



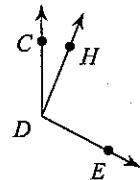
- 8) $m\angle PQR = 172^\circ$, $m\angle SQR = 37x - 2$, and $m\angle PQS = 49x + 2$. Find x .



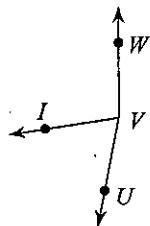
- 9) Find x if $m\angle BCD = 16x$, $m\angle BCQ = 6x + 4$, and $m\angle QCD = 66^\circ$.



- 10) $m\angle HDE = x + 101$, $m\angle CDE = 118^\circ$, and $m\angle CDH = x + 27$. Find $m\angle CDH$.



- 11) Find $m\angle UVI$ if $m\angle IVW = 10x - 1$, $m\angle UVI = 7x$, and $m\angle UVW = 169^\circ$.



- 12) $m\angle KJE = 2x + 11$, $m\angle KJI = 11x - 3$, and $m\angle EJI = 49^\circ$. Find $m\angle KJE$.

