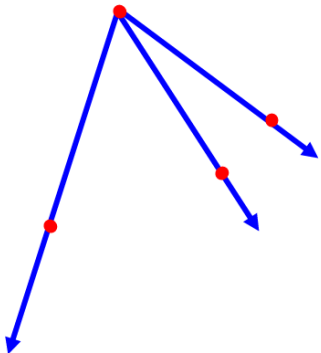
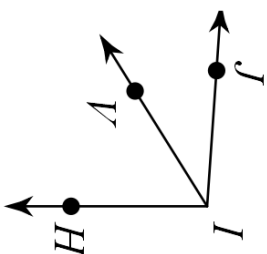


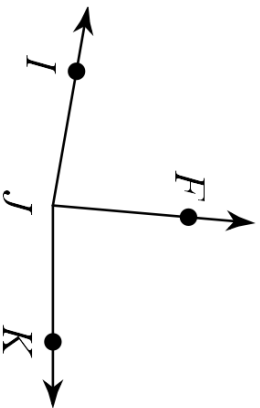
Angle addition postulate



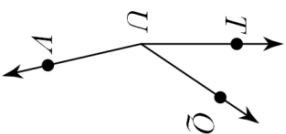
$m\angle HIV = 58^\circ$ and $m\angle VIJ = 36^\circ$.
Find $m\angle HIJ$.



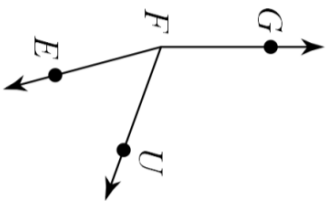
Find $m\angle FJK$ if $m\angle IJK = 170^\circ$
and $m\angle IJF = 85^\circ$.



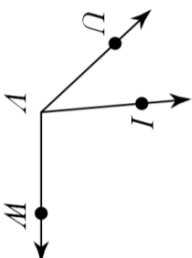
Find x if $m\angle TUV = -1 + 84x$,
 $m\angle TUQ = 34^\circ$, and $m\angle QUV = 67x - 1$.



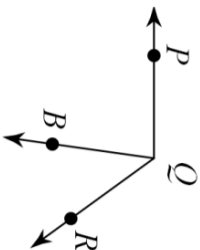
$m\angle UFE = 17x + 4$, $m\angle GFE = 165^\circ$,
and $m\angle GFU = 36x + 2$. Find x .



$m\angle UVI = 2x + 18$, $m\angle IVW = 10x - 5$,
and $m\angle U VW = 133^\circ$. Find x .



Find $m\angle RQB$ if $m\angle BQP = x + 91$,
 $m\angle RQB = x + 53$, and $m\angle RQP = 126^\circ$.



Find $m\angle PQA$ if $m\angle PQR = 17x + 10$,
 $m\angle AQR = 75^\circ$, and $m\angle PQA = 10x + 5$.

