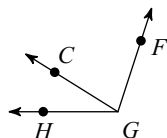
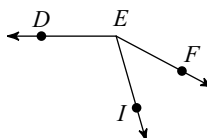


- 1) Find $m\angle HGC$ if $m\angle HGC = 15x + 2$, $m\angle CGF = 76^\circ$, and $m\angle HGF = 54x$.



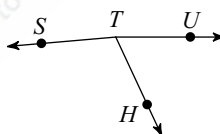
- 2) Find $m\angle IED$ if $m\angle FED = 13x + 9$, $m\angle FEI = 46^\circ$, and $m\angle IED = 9x + 7$.



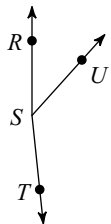
- 3) Find $m\angle FGM$ if $m\angle FGM = 4x - 2$, $m\angle MGH = 17x - 4$, and $m\angle FGH = 141^\circ$.



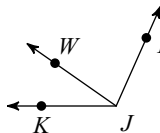
- 4) $m\angle UTS = 18x - 5$, $m\angle UTH = 7x - 5$, and $m\angle HTS = 110^\circ$. Find $m\angle UTS$.



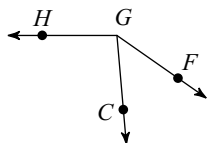
- 5) $m\angle UST = 10x + 12$, $m\angle RST = 174^\circ$,
and $m\angle RSU = 18 + 2x$. Find $m\angle RSU$.



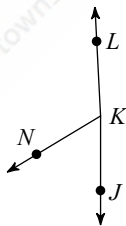
- 6) Find $m\angle KJW$ if $m\angle KJI = 114^\circ$,
 $m\angle WJI = 82 + x$, and $m\angle KJW = 38 + x$.



- 7) $m\angle FGC = x + 56$, $m\angle CGH = 101 + x$,
and $m\angle FGH = 145^\circ$. Find $m\angle FGC$.



- 8) Find $m\angle JKN$ if $m\angle JKL = 177^\circ$,
 $m\angle JKN = 2x + 59$, and $m\angle NKL = x + 118$.



Answers to

1) 32°
5) 42°

2) 106°
6) 35°

3) 26°
7) 50°

4) 175°
8) 59°

