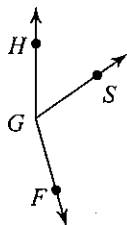
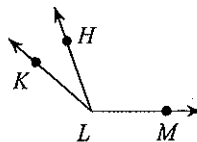


Assignment

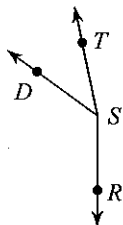
- 1) Find  $m\angle HGS$  if  $m\angle SGF = 109^\circ$ ,  $m\angle HGF = 8 + 13x$ , and  $m\angle HGS = 5x - 5$ .



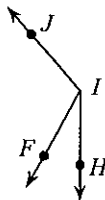
- 2) Find  $m\angle KLM$  if  $m\angle KLM = 23x + 1$ ,  $m\angle KLH = 4x + 5$ , and  $m\angle HLM = 110^\circ$ .



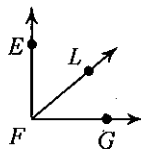
- 3)  $m\angle RSD = 62x + 2$ ,  $m\angle RST = 168^\circ$ , and  $m\angle DST = 20x + 2$ . Find  $m\angle DST$ .



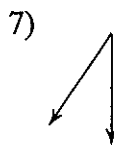
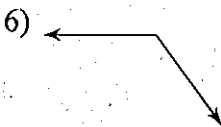
- 4) Find  $m\angle FIJ$  if  $m\angle FIJ = x + 121$ ,  $m\angle HIF = x + 40$ , and  $m\angle HIJ = 139^\circ$ .

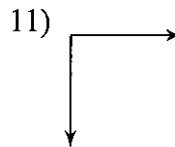
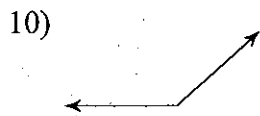
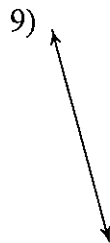
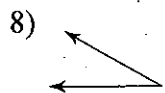


- 5)  $m\angle EFG = 90^\circ$ ,  $m\angle EFL = x + 51$ , and  $m\angle LFG = x + 41$ . Find  $m\angle EFL$ .

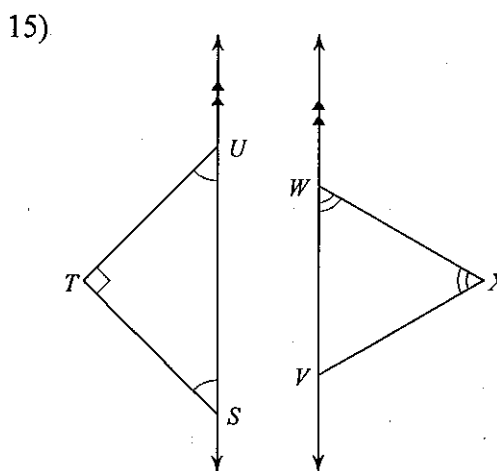
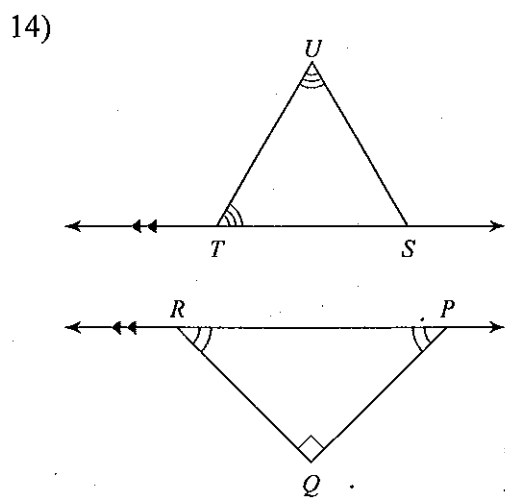
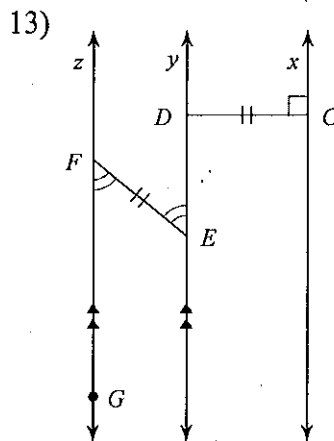
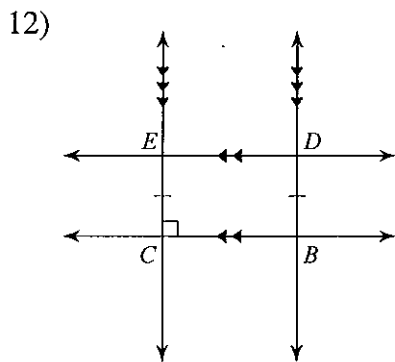


Classify each angle as acute, obtuse, right, or straight.

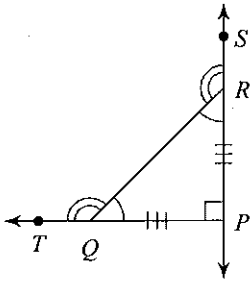




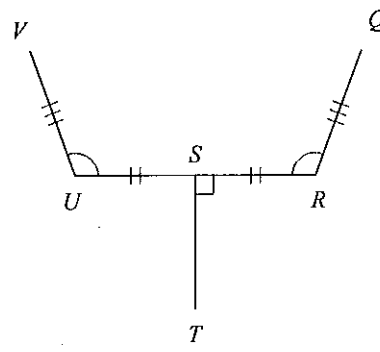
List all information given by the marks on the diagram.



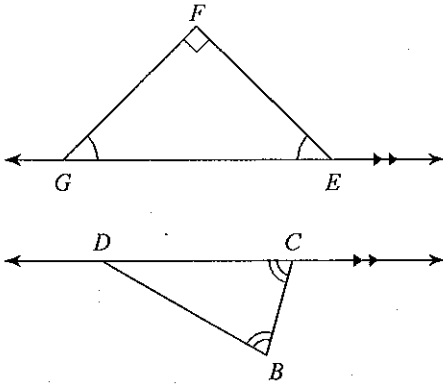
16)



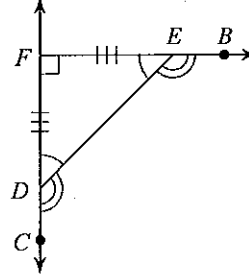
17)



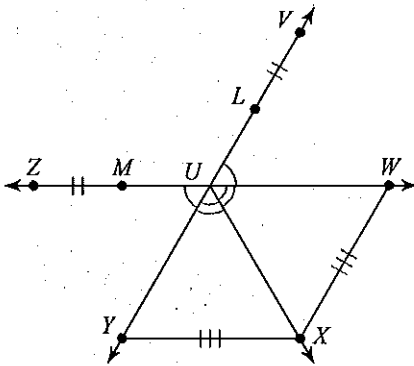
18)



19)



20)



21)

