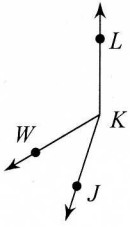
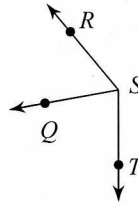


6-3 Angle Addition Postulate (ver1)\_hw

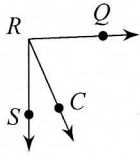
- 1)  $m\angle WKL = 120^\circ$  and  $m\angle JKW = 42^\circ$ .  
Find  $m\angle JKL$ .



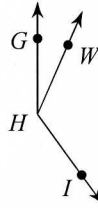
- 2)  $m\angle QSR = 60^\circ$  and  $m\angle TSQ = 80^\circ$ .  
Find  $m\angle TSR$ .



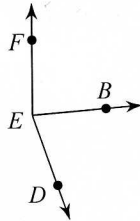
- 3)  $m\angle QRS = 92^\circ$  and  $m\angle CRS = 24^\circ$ .  
Find  $m\angle QRC$ .



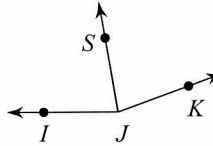
- 4) Find  $m\angle GHW$  if  $m\angle WHI = 120^\circ$   
and  $m\angle GHI = 144^\circ$ .



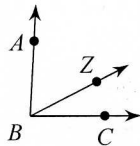
- 5)  $m\angle BED = 75^\circ$  and  $m\angle FED = 160^\circ$ .  
Find  $m\angle FEB$ .



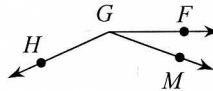
- 6) Find  $m\angle IJS$  if  $m\angle SJK = 80^\circ$   
and  $m\angle IJK = 160^\circ$ .



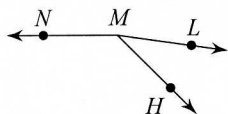
- 7) Find  $m\angle ZBC$  if  $m\angle ABZ = 60^\circ$   
and  $m\angle ABC = 87^\circ$ .



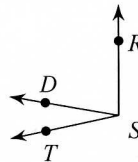
- 8)  $m\angle MGH = 136^\circ$  and  $m\angle FGH = 156^\circ$ .  
Find  $m\angle FGM$ .



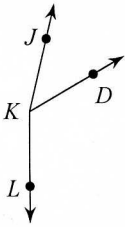
- 9) Find  $m\angle LMN$  if  $m\angle LMH = 37^\circ$   
and  $m\angle HMN = 135^\circ$ .



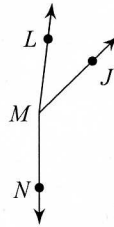
- 10)  $m\angle TSR = 102^\circ$  and  $m\angle DSR = 80^\circ$ .  
Find  $m\angle TSD$ .



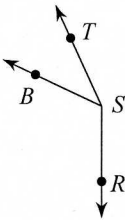
- 11) Find  $m\angle JKD$  if  $m\angle DKL = 120^\circ$  and  $m\angle JKL = 167^\circ$ .



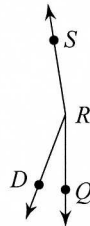
- 12)  $m\angle LMN = 173^\circ$  and  $m\angle LMJ = 39^\circ$ . Find  $m\angle JMN$ .



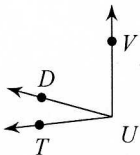
- 13)  $m\angle BST = 40^\circ$  and  $m\angle RSB = 115^\circ$ . Find  $m\angle RST$ .



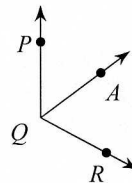
- 14) Find  $m\angle DRS$  if  $m\angle QRS = 171^\circ$  and  $m\angle QRD = 21^\circ$ .



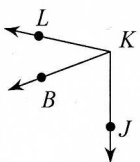
- 15) Find  $m\angle DUV$  if  $m\angle TUV = 96^\circ$  and  $m\angle TUD = 21^\circ$ .



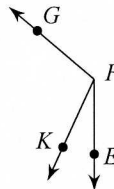
- 16)  $m\angle PQA = 54^\circ$  and  $m\angle AQR = 64^\circ$ . Find  $m\angle PQR$ .



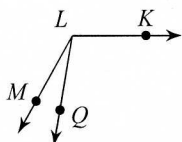
- 17)  $m\angle JKB = 70^\circ$  and  $m\angle BKL = 32^\circ$ . Find  $m\angle JKL$ .



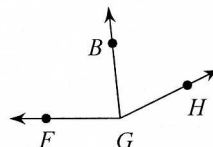
- 18)  $m\angle KFG = 105^\circ$  and  $m\angle EFG = 130^\circ$ . Find  $m\angle EFK$ .



- 19)  $m\angle KLM = 120^\circ$  and  $m\angle KLQ = 100^\circ$ . Find  $m\angle QLM$ .



- 20)  $m\angle FGH = 154^\circ$  and  $m\angle BGH = 70^\circ$ . Find  $m\angle FGB$ .



Answers to 6-3 Angle Addition Postulate (ver1)\_hw

- |                 |                 |
|-----------------|-----------------|
| 1) $162^\circ$  | 4) $24^\circ$   |
| 2) $140^\circ$  | 5) $85^\circ$   |
| 3) $68^\circ$   | 6) $80^\circ$   |
| 7) $27^\circ$   | 7) $20^\circ$   |
| 8) $20^\circ$   | 8) $20^\circ$   |
| 9) $172^\circ$  | 9) $172^\circ$  |
| 10) $22^\circ$  | 10) $22^\circ$  |
| 11) $47^\circ$  | 11) $47^\circ$  |
| 12) $134^\circ$ | 12) $134^\circ$ |
| 13) $155^\circ$ | 13) $155^\circ$ |
| 14) $150^\circ$ | 14) $150^\circ$ |
| 15) $75^\circ$  | 15) $75^\circ$  |
| 16) $118^\circ$ | 16) $118^\circ$ |
| 17) $102^\circ$ | 17) $102^\circ$ |
| 18) $20^\circ$  | 18) $20^\circ$  |
| 19) $20^\circ$  | 19) $20^\circ$  |
| 20) $84^\circ$  | 20) $84^\circ$  |