

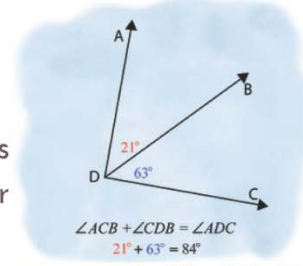
Name :

Class :



# Angle Postulate

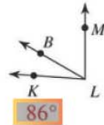
The sum of two adjacent angle measures will be equal to the measure of the larger angle they form.



## The Angle Addition Postulate

1)

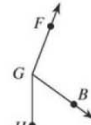
Find  $m\angle KLM$  if  $m\angle KLB = 26^\circ$  and  $m\angle BLM = 60^\circ$ .



86°

2)

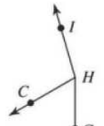
Find  $m\angle FGH$  if  $m\angle FGB = 105^\circ$  and  $m\angle BGH = 54^\circ$ .



159°

3)

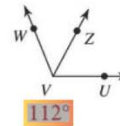
$m\angle GHC = 60^\circ$  and  $m\angle CHI = 104^\circ$ . Find  $m\angle GHI$ .



164°

4)

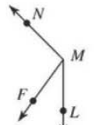
Find  $m\angle WVU$  if  $m\angle ZVU = 62^\circ$  and  $m\angle WVZ = 50^\circ$ .



112°

5)

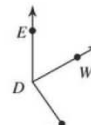
$m\angle FMN = 99^\circ$  and  $m\angle LMF = 36^\circ$ . Find  $m\angle LMN$ .



135°

6)

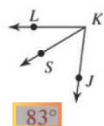
Find  $m\angle WDC$  if  $m\angle EDC = 145^\circ$  and  $m\angle EDW = 61^\circ$ .



84°

7)

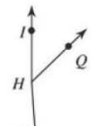
Find  $m\angle JKL$  if  $m\angle SKL = 31^\circ$  and  $m\angle JKS = 52^\circ$ .



83°

8)

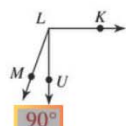
Find  $m\angle IHQ$  if  $m\angle IHG = 176^\circ$  and  $m\angle QHG = 130^\circ$ .



46°

9)

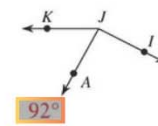
Find  $m\angle KLU$  if  $m\angle ULM = 20^\circ$  and  $m\angle KLM = 110^\circ$ .



90°

10)

Find  $m\angle IJA$  if  $m\angle AJK = 61^\circ$  and  $m\angle IJK = 153^\circ$ .



92°