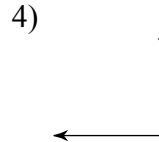
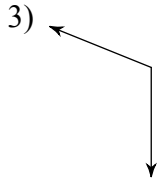
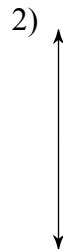
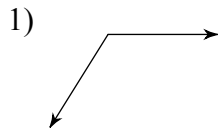


# Angles & Angle Addition Postulate

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



5)  $106^\circ$

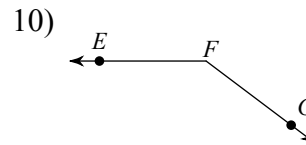
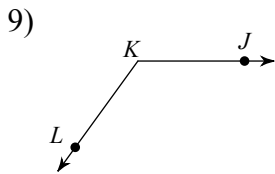
6)  $179^\circ$

**Draw and label an angle to fit each description.**

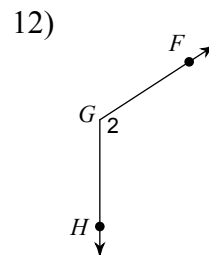
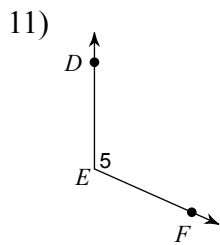
7) a straight angle,  $\angle HIJ$

8) an acute angle,  $\angle B$

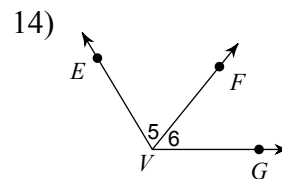
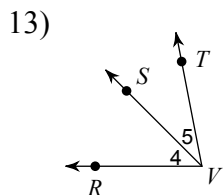
**Name the vertex and sides of each angle.**



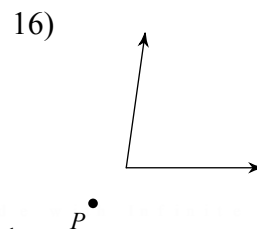
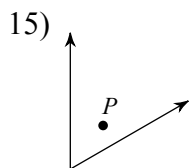
**Name each angle in four ways.**



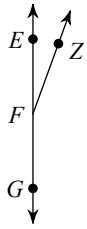
**Name all the angles that have V as a vertex.**



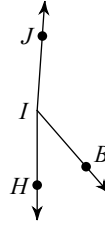
**State if the given point is interior, exterior, or on the angle.**



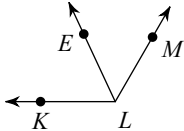
- 17) Find  $m\angle ZFG$  if  $m\angle EFZ = 20^\circ$   
and  $m\angle EFG = 180^\circ$ .



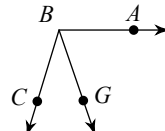
- 18)  $m\angle BIH = 41^\circ$  and  $m\angle JIB = 135^\circ$ .  
Find  $m\angle JIH$ .



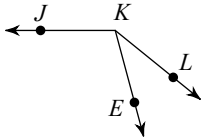
- 19) Find  $m\angle KLE$  if  $m\angle KLM = 120^\circ$   
and  $m\angle ELM = 55^\circ$ .



- 20) Find  $m\angle ABC$  if  $m\angle GBC = 36^\circ$   
and  $m\angle ABG = 71^\circ$ .



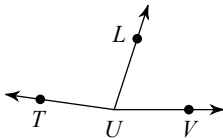
- 21)  $m\angle LKJ = 141^\circ$ ,  $m\angle LKE = x + 36$ ,  
and  $m\angle EKJ = x + 105$ . Find  $x$ .



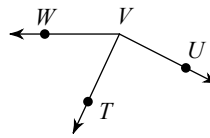
- 22)  $m\angle FGH = 148^\circ$ ,  $m\angle FGL = x + 12$ ,  
and  $m\angle LGH = 16x$ . Find  $x$ .



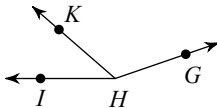
- 23)  $m\angle LUV = 8x$ ,  $m\angle TUV = 18x + 10$ ,  
and  $m\angle TUL = 100^\circ$ . Find  $m\angle LUV$ .



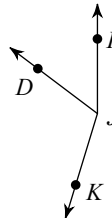
- 24) Find  $m\angle TVW$  if  $m\angle TVW = 8x + 9$ ,  
 $m\angle UVW = 21x + 6$ , and  $m\angle UVT = 88^\circ$ .



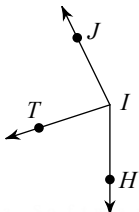
- 25) Find  $m\angle IHK$  if  $m\angle KHG = x + 120$ ,  
 $m\angle IHG = 161^\circ$ , and  $m\angle IHK = x + 41$ .



- 26)  $m\angle DJI = 53^\circ$ ,  $m\angle KJI = 1 + 54x$ ,  
and  $m\angle KJD = 36x + 2$ . Find  $m\angle KJI$ .



- 27)  $m\angle TIJ = x + 85$ ,  $m\angle HIJ = 154^\circ$ ,  
and  $m\angle HIT = x + 75$ . Find  $m\angle HIT$ .



- 28) Find  $m\angle KVV$  if  $m\angle UVW = 130^\circ$ ,  
 $m\angle KVV = x + 33$ , and  $m\angle UVK = x + 103$ .

