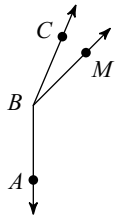
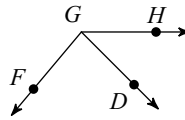


Unit 6.4 Angle Bisector, Angle Add. post. & Classifying Angles

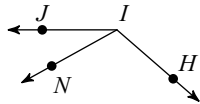
- 1) $m\angle CBA = 157^\circ$ and $m\angle CBM = 22^\circ$.
Find $m\angle MBA$.



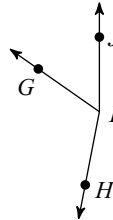
- 2) Find $m\angle HGD$ if $m\angle DGF = 85^\circ$
and $m\angle HGF = 130^\circ$.



- 3) Find x if $m\angle NIJ = 3x - 7$,
 $m\angle HIN = 9x + 2$, and $m\angle HIJ = 139^\circ$.

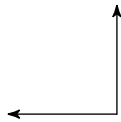


- 4) Find x if $m\angle HIJ = 169^\circ$,
 $m\angle HIG = 6 + 9x$, and $m\angle GIJ = 3x + 19$.

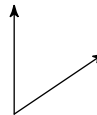


Classify each angle as acute, obtuse, right, or straight.

5)



6)



7)



8)

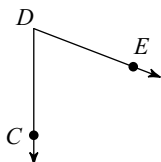


9) 25°

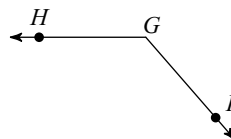
10) 103°

Name the vertex and sides of each angle.

11)

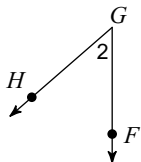


12)

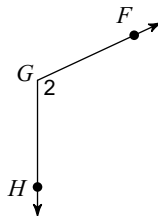


Name each angle in four ways.

13)

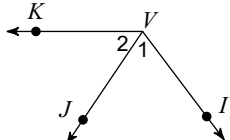


14)

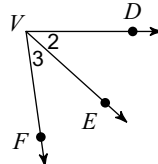


Name all the angles that have V as a vertex.

15)

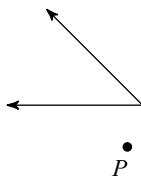


16)

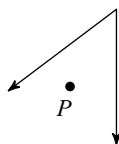


State if the given point is interior, exterior, or on the angle.

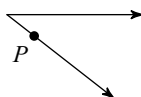
17)



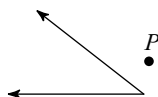
18)



19)

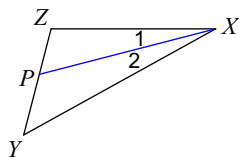


20)

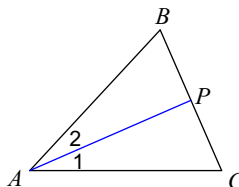


Each figure shows a triangle with one of its angle bisectors.

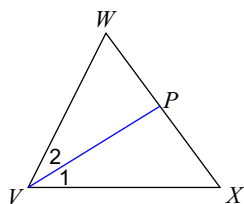
21) Find $m\angle 2$ if $m\angle ZXY = 28^\circ$.



22) $m\angle 1 = 2x + 9$ and $m\angle 2 = 4x - 5$.
Find x .



23) Find $m\angle XVW$ if $m\angle 1 = 6x - 5$ and $m\angle XVW = 10x + 2$.



24) Find $m\angle 1$ if $m\angle 1 = 6x + 2$ and $m\angle 2 = 5x + 8$.

