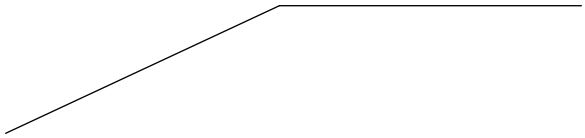
Math 2

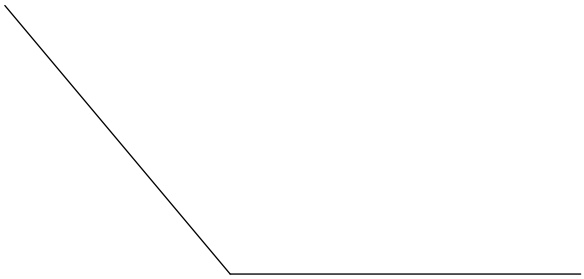
Angle Bisectors

Construct the bisector of each angle.

1)

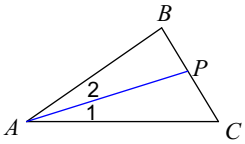


2)

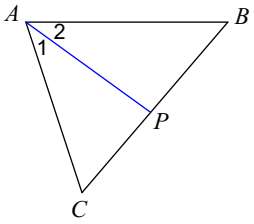


Each figure shows a triangle with one of its angle bisectors.

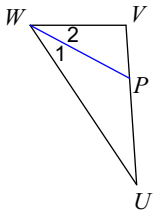
3) Find x if $m\angle 1 = 5x + 2$ and $m\angle 2 = 6x - 1$.



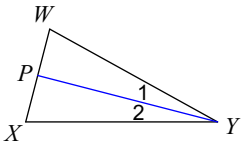
4) $m\angle 2 = 4x + 4$ and $m\angle 1 = 5x - 4$. Find x.



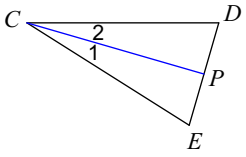
5) Find x if $m\angle 2 = 3x + 10$ and $m\angle 1 = 4 + 4x$.



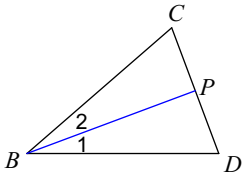
6) $m\angle 1 = x + 4$ and $m\angle 2 = 2x - 6$. Find x.



7) $m\angle 1 = 2x + 4$ and $m\angle 2 = 3x - 2$. Find x.



8) Find x if $m\angle 2 = 5x$ and $m\angle 1 = 6x - 4$.



Construct the perpendicular bisector of each.

9)

10)