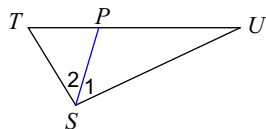


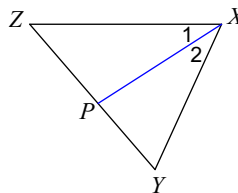
### Station 7: Angle Bisectors

Each figure shows a triangle with an angle that has been bisected.

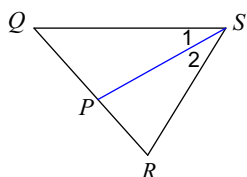
1)  $m\angle UST = 96^\circ$ . Find  $m\angle 1$ .



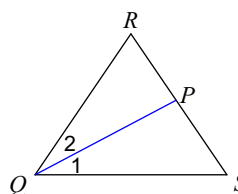
2) Find  $m\angle ZXY$  if  $m\angle 2 = 32^\circ$ .



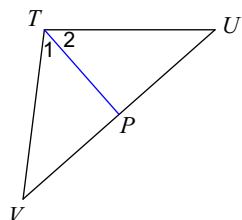
3) Find  $m\angle 1$  if  $m\angle QSR = 58^\circ$ .



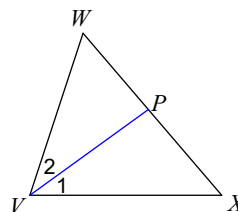
4)  $m\angle 1 = 28^\circ$ . Find  $m\angle SQR$ .



5) Find  $x$  if  $m\angle 2 = 11x + 4$  and  $m\angle 1 = 13x - 4$ .



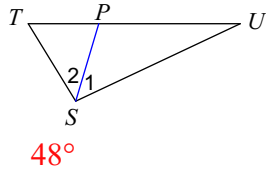
6) Find  $x$  if  $m\angle 1 = 6x - 6$  and  $m\angle 2 = 4x + 8$ .



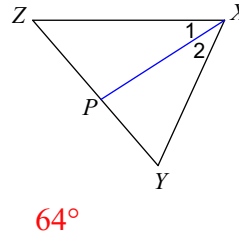
### Station 7: Angle Bisectors

Each figure shows a triangle with an angle that has been bisected.

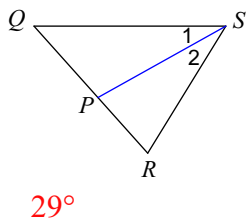
1)  $m\angle UST = 96^\circ$ . Find  $m\angle 1$ .



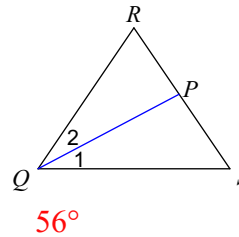
2) Find  $m\angle ZXY$  if  $m\angle 2 = 32^\circ$ .



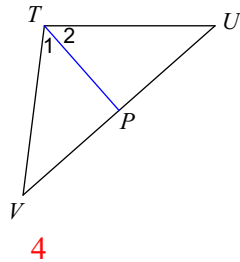
3) Find  $m\angle 1$  if  $m\angle QSR = 58^\circ$ .



4)  $m\angle 1 = 28^\circ$ . Find  $m\angle SQR$ .



5) Find  $x$  if  $m\angle 2 = 11x + 4$  and  $m\angle 1 = 13x - 4$ .



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

