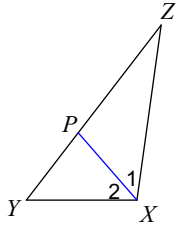


1.1 - Practice

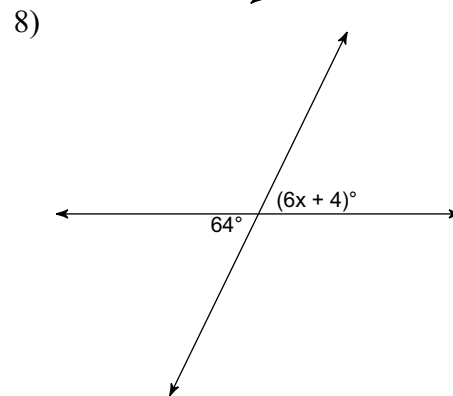
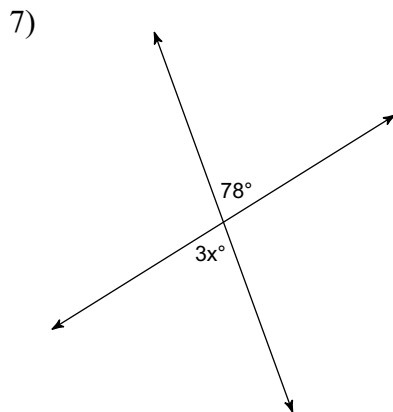
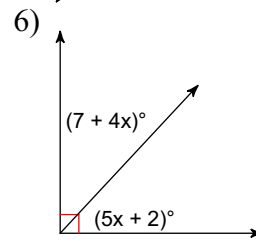
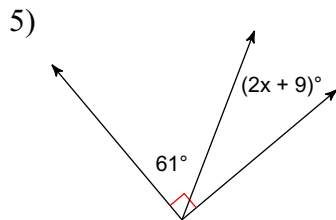
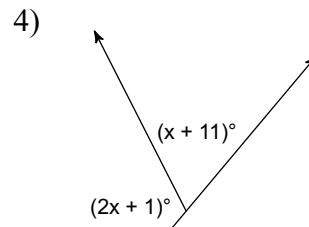
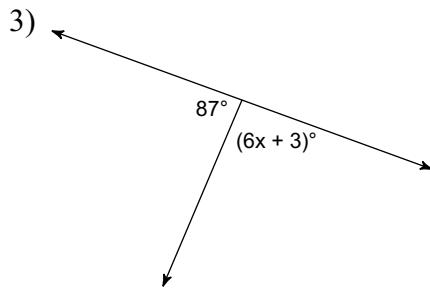
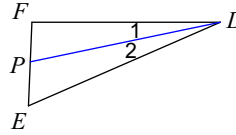
Each figure shows a triangle with one of its angle bisectors.

- 1) Find  $m\angle 2$  if  $m\angle 2 = 8x + 1$  and  $m\angle 1 = 7x + 7$ .



Find the value of  $x$ .

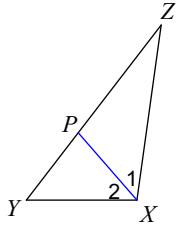
- 2) Find  $m\angle FDE$  if  $m\angle 2 = 2x - 4$  and  $m\angle FDE = 3x$ .



1.1 - Practice

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

- 1) Find  $m\angle 2$  if  $m\angle 2 = 8x + 1$  and  $49^\circ$   
 $m\angle 1 = 7x + 7$ .



Find the value of  $x$ .

- 2) Find  $m\angle FDE$  if  $m\angle 2 = 2x - 4$  and  $24^\circ$   
 $m\angle FDE = 3x$ .

