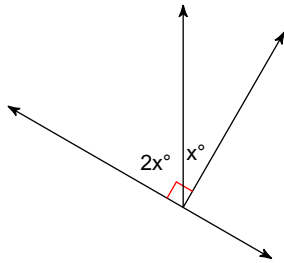


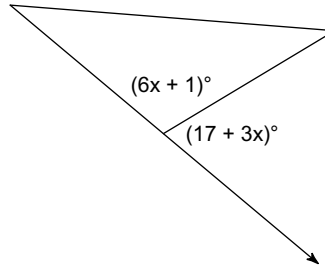
### Station 4 - Using Algebra to Find Angle Measures

Find the value of  $x$ .

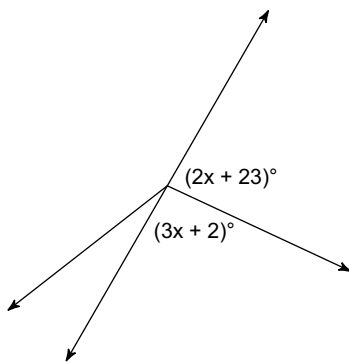
1)



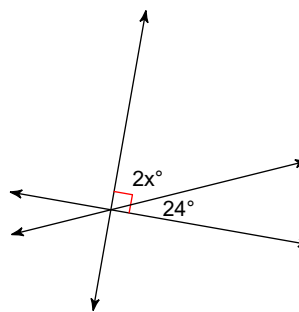
2)



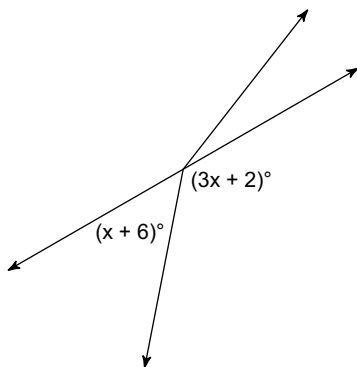
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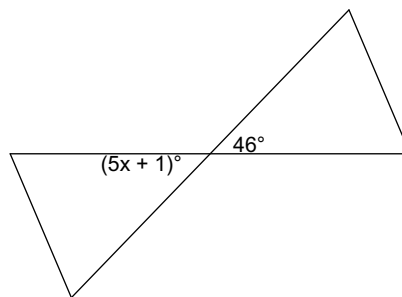
4)



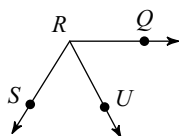
5)



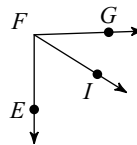
6)



7) Find  $x$  if  $m\angle QRS = 122^\circ$ ,  
 $m\angle QRU = 63x - 1$ ,  
 and  $m\angle URS = 61x - 1$ .



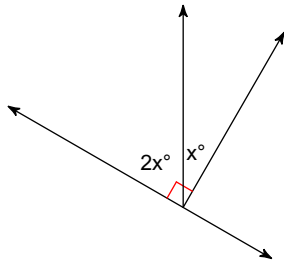
8) Find  $x$  if  $m\angle IFE = 58^\circ$ ,  
 $m\angle GFE = 17x + 7$ , and  $m\angle GFI = 5x + 9$ .



### Station 4 - Using Algebra to Find Angle Measures

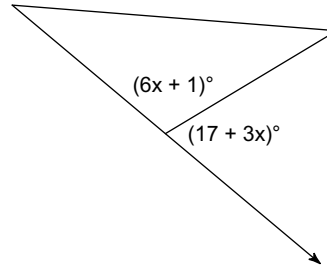
Find the value of  $x$ .

1)



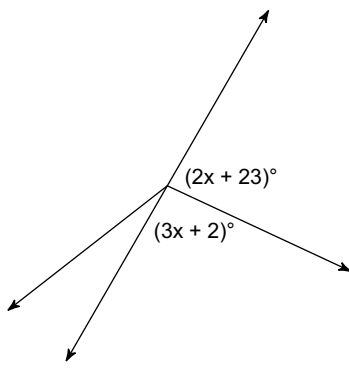
30

2)



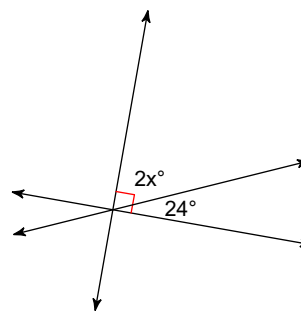
18

3)



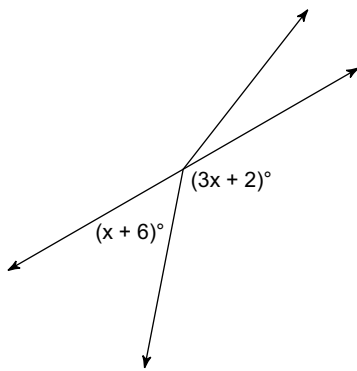
31

4)



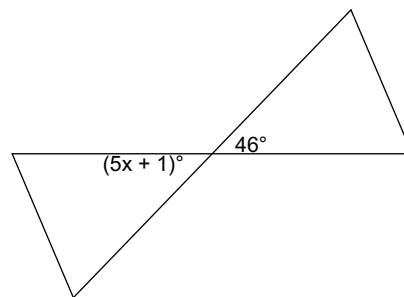
33

5)



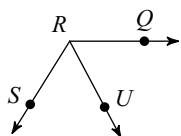
43

6)



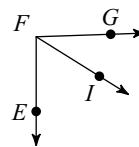
9

7) Find  $x$  if  $m\angle QRS = 122^\circ$ ,  
 $m\angle QRU = 63x - 1$ ,  
 and  $m\angle URS = 61x - 1$ .



1

8) Find  $x$  if  $m\angle IFE = 58^\circ$ ,  
 $m\angle GFE = 17x + 7$ , and  $m\angle GFI = 5x + 9$ .



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