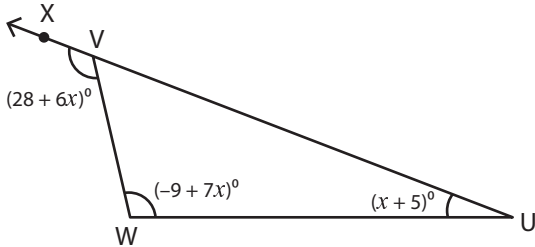


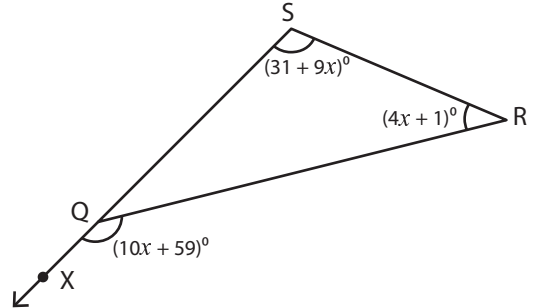
# Triangle - Exterior Angles

A) Solve for  $x$  in each triangle and find the measure of the indicated angle.

1)



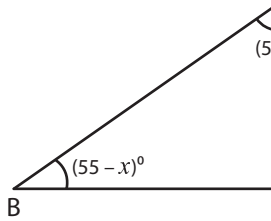
2)



$x =$  \_\_\_\_\_

$m\angle U =$  \_\_\_\_\_

3)



$x =$  \_\_\_\_\_

$m\angle BCD =$  \_\_\_\_\_

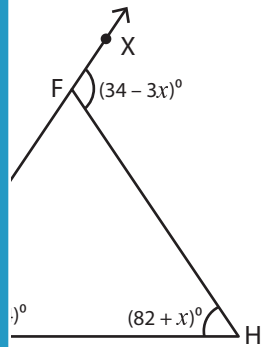
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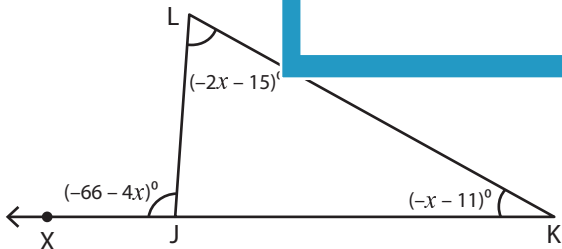
$(x)^\circ$

\_\_\_\_\_

\_\_\_\_\_

B) Solve for  $x$  in each triangle and find the measure of the indicated angle.

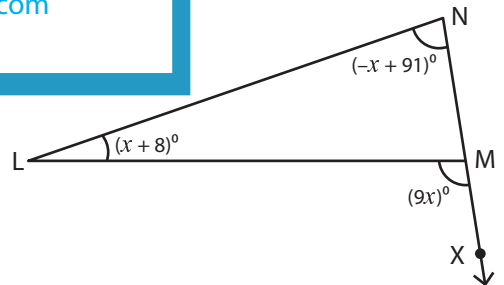
5)



$x =$  \_\_\_\_\_

$m\angle XJL =$  \_\_\_\_\_ ;  $m\angle K =$  \_\_\_\_\_

$m\angle LJK =$  \_\_\_\_\_ ;  $m\angle L =$  \_\_\_\_\_



$x =$  \_\_\_\_\_

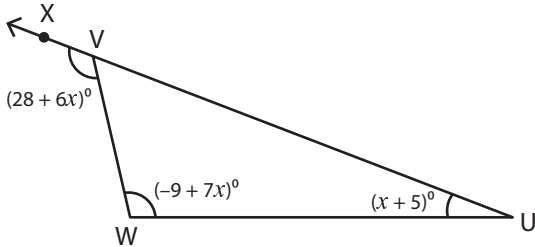
$m\angle LMN =$  \_\_\_\_\_ ;  $m\angle N =$  \_\_\_\_\_

$m\angle NML =$  \_\_\_\_\_ ;  $m\angle L =$  \_\_\_\_\_

**Triangle - Exterior Angles**

A) Solve for  $x$  in each triangle and find the measure of the indicated angle.

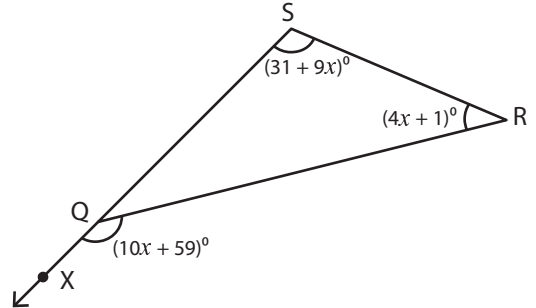
1)



$x =$  16

$m\angle U =$  \_\_\_\_\_

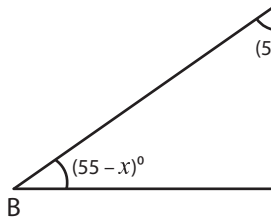
2)



$x =$  9

149°

3)



$x =$  \_\_\_\_\_

$m\angle BCD =$  \_\_\_\_\_

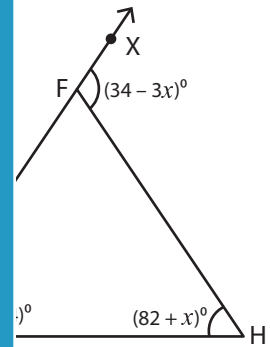
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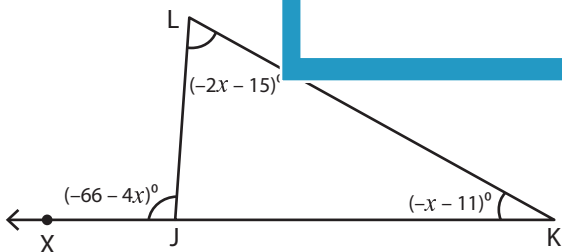


-26

56°

B) Solve for  $x$  in each triangle and find the measure of the indicated angles.

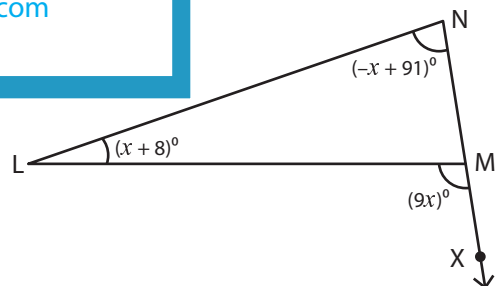
5)



$x =$  -40

$m\angle XJL =$  94° ;  $m\angle K =$  29°

$m\angle LJK =$  86° ;  $m\angle L =$  65°



$x =$  11

$m\angle LMN =$  99° ;  $m\angle N =$  80°

$m\angle NML =$  81° ;  $m\angle L =$  19°