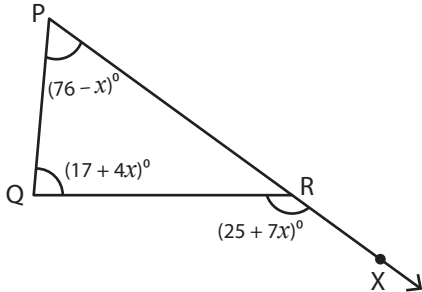


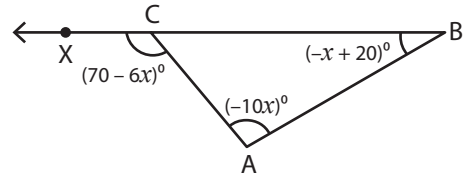
# Triangle - Exterior Angles

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

1)



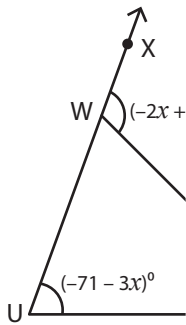
2)



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

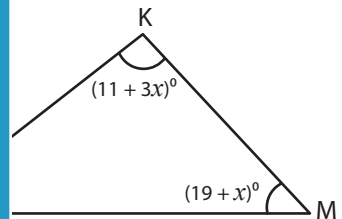
$m\angle QRP =$  \_\_\_\_\_

3)



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

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

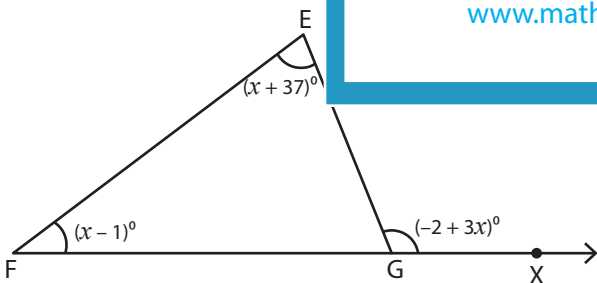


\_\_\_\_\_

\_\_\_\_\_

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

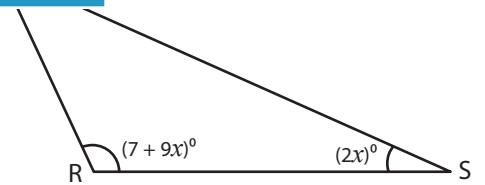
5)



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

$m\angle FGE =$  \_\_\_\_\_ ;  $m\angle F =$  \_\_\_\_\_

$m\angle EGX =$  \_\_\_\_\_ ;  $m\angle E =$  \_\_\_\_\_



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

$m\angle XTR =$  \_\_\_\_\_ ;  $m\angle R =$  \_\_\_\_\_

$m\angle RTS =$  \_\_\_\_\_ ;  $m\angle S =$  \_\_\_\_\_

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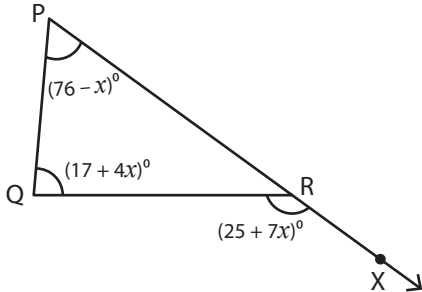
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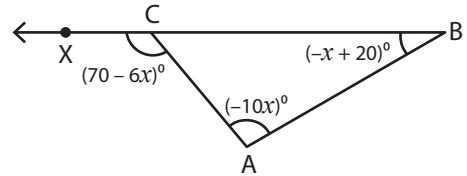
**Triangle - Exterior Angles**

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

1)



2)



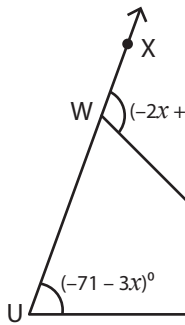
$x =$  17

$m\angle QRP =$  \_\_\_\_\_

$x =$  -10

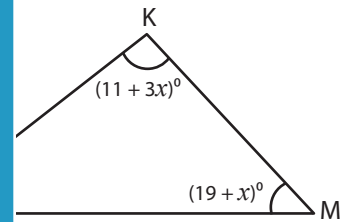
100°

3)



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

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

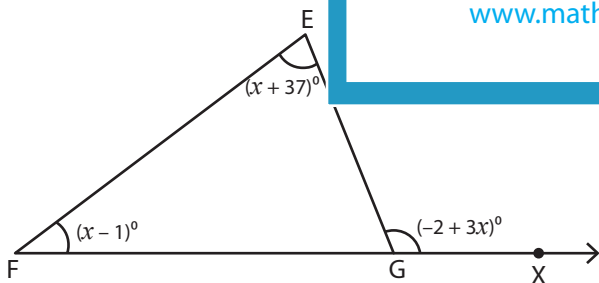


28

142°

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

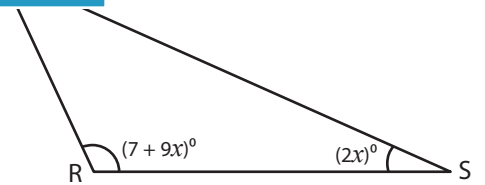
5)



$x =$  38

$m\angle FGE =$  68° ;  $m\angle F =$  37°

$m\angle EGX =$  112° ;  $m\angle E =$  75°



$x =$  12

$m\angle XTR =$  139° ;  $m\angle R =$  115°

$m\angle RTS =$  41° ;  $m\angle S =$  24°

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