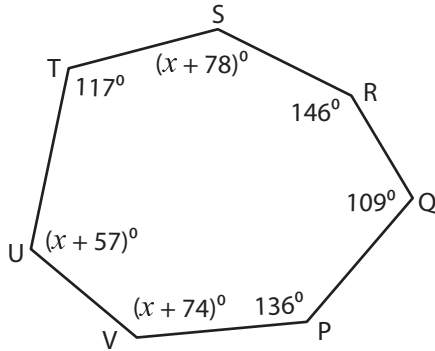


# Angles in Polygon

Find the measures of the indicated angles.

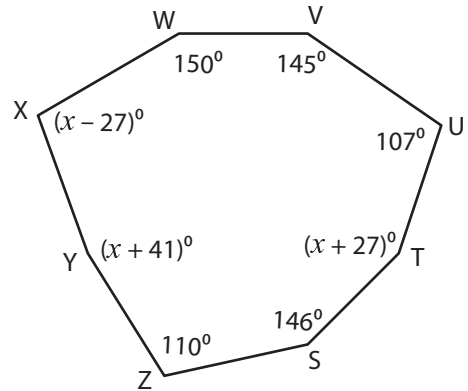
1)



Sum of the interior angles = \_\_\_\_\_

$m\angle V =$  \_\_\_\_\_ ;  $m\angle U =$  \_\_\_\_\_

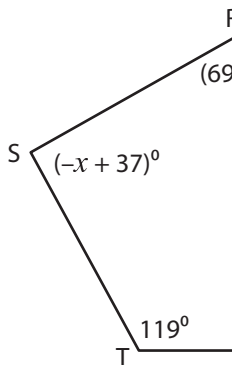
2)



Sum of the interior angles = \_\_\_\_\_ ;  $x =$  \_\_\_\_\_

$m\angle X =$  \_\_\_\_\_ ;  $m\angle Y =$  \_\_\_\_\_

3)



Sum of the interior angles = \_\_\_\_\_

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

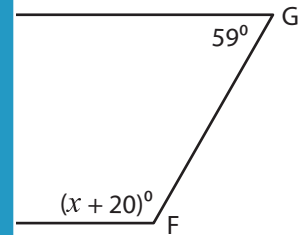
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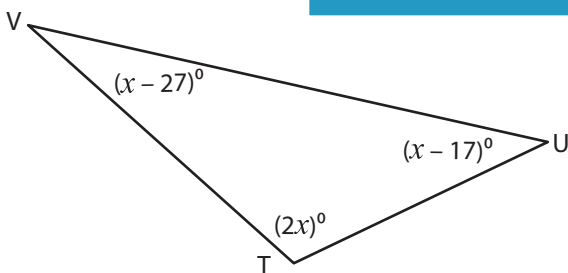
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Sum of the interior angles = \_\_\_\_\_ ;  $x =$  \_\_\_\_\_

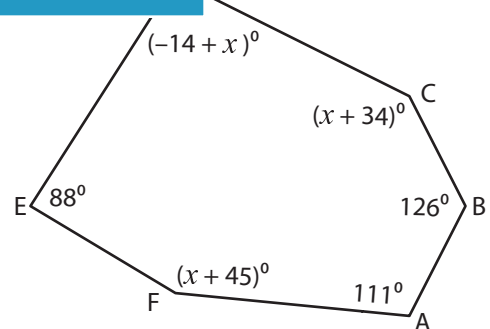
$m\angle F =$  \_\_\_\_\_ ;  $m\angle H =$  \_\_\_\_\_

5)



Sum of the interior angles = \_\_\_\_\_ ;  $x =$  \_\_\_\_\_

$m\angle T =$  \_\_\_\_\_ ;  $m\angle U =$  \_\_\_\_\_ ;  $m\angle V =$  \_\_\_\_\_



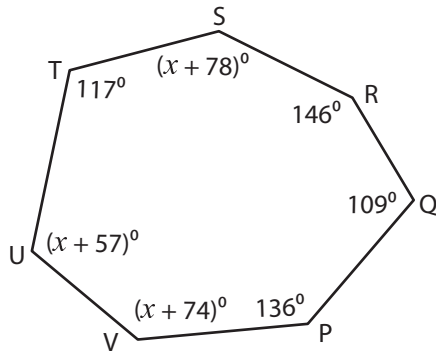
Sum of the interior angles = \_\_\_\_\_ ;  $x =$  \_\_\_\_\_

$m\angle C =$  \_\_\_\_\_ ;  $m\angle D =$  \_\_\_\_\_ ;  $m\angle F =$  \_\_\_\_\_

**Angles in Polygon**

Find the measures of the indicated angles.

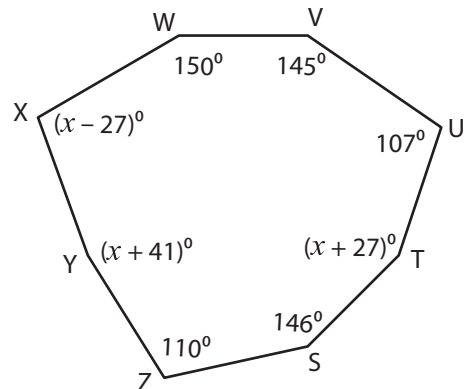
1)



Sum of the interior angles =

$m\angle V = \underline{135^\circ}$  ;  $m\angle U =$  \_\_\_\_\_

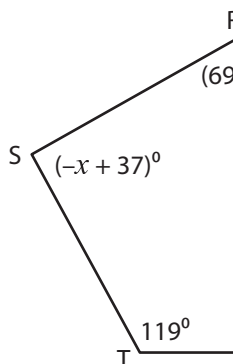
2)



Sum of the interior angles =  $\underline{1080^\circ}$  ;  $x = \underline{127}$

$m\angle X = \underline{100^\circ}$  ;  $m\angle Y = \underline{168^\circ}$

3)



Sum of the interior angles =

$m\angle R = \underline{122^\circ}$  ;  $m\angle S =$  \_\_\_\_\_

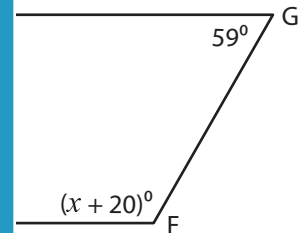
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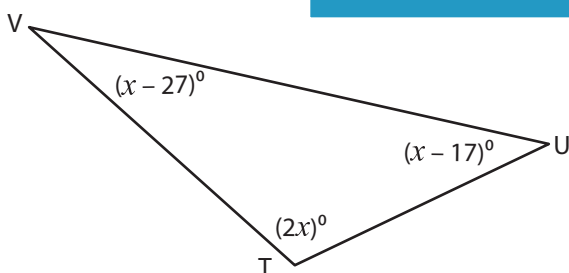
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Sum of the interior angles =  $\underline{360^\circ}$  ;  $x = \underline{100}$

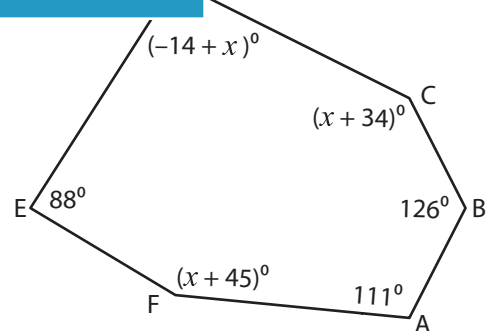
$m\angle F = \underline{120^\circ}$  ;  $m\angle H = \underline{102^\circ}$

5)



Sum of the interior angles =  $\underline{180^\circ}$  ;  $x = \underline{56}$

$m\angle T = \underline{112^\circ}$  ;  $m\angle U = \underline{39^\circ}$  ;  $m\angle V = \underline{29^\circ}$



Sum of the interior angles =  $\underline{720^\circ}$  ;  $x = \underline{110}$

$m\angle C = \underline{144^\circ}$  ;  $m\angle D = \underline{96^\circ}$  ;  $m\angle F = \underline{155^\circ}$