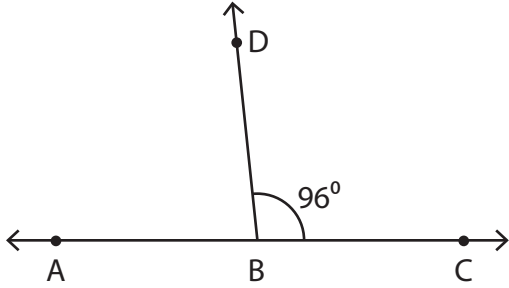


# Adjacent Angles

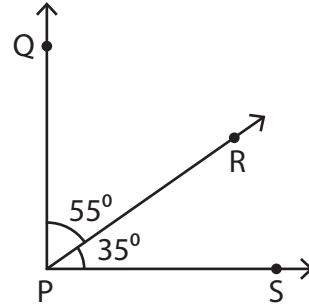
Find the value of  $x$ .

1)



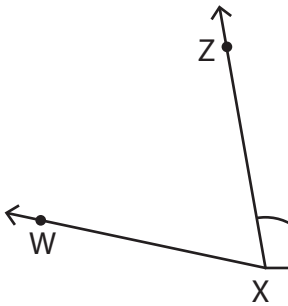
$m\angle ABC = 180^\circ$ ,  $m\angle CBD = x^\circ$   
 $x =$  \_\_\_\_\_

2)



$m\angle QPS = 180^\circ$ ,  $m\angle RPS = (3x - 15)^\circ$   
 $x =$  \_\_\_\_\_

3)



$m\angle YXW = 168^\circ$ ,  $m\angle XZW = x^\circ$   
 $x =$  \_\_\_\_\_

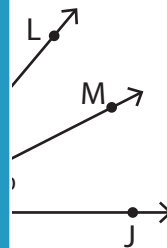
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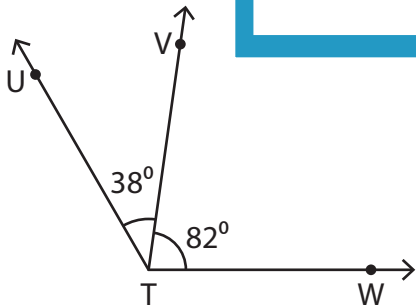
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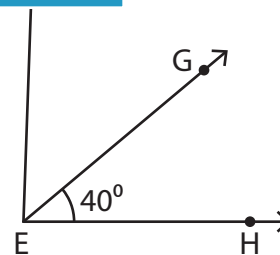


$m\angle YXW = 180^\circ$ ,  $m\angle MXW = (8x - 30)^\circ$   
 $x =$  \_\_\_\_\_

5)



$m\angle UTW = (7x + 15)^\circ$   
 $x =$  \_\_\_\_\_

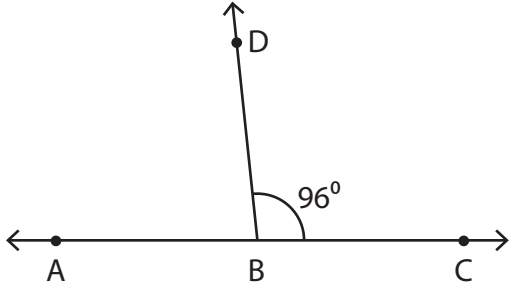


$m\angle HEF = 88^\circ$ ,  $m\angle FEG = (2x - 6)^\circ$   
 $x =$  \_\_\_\_\_

**Adjacent Angles**

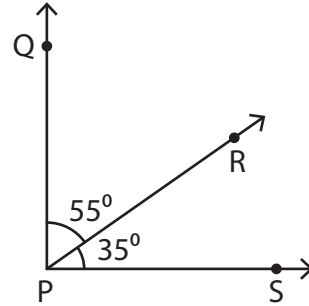
Find the value of  $x$ .

1)



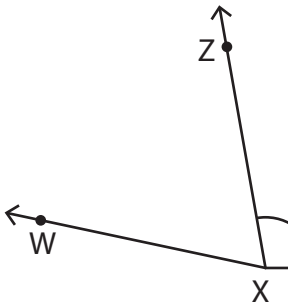
$m\angle ABC = 180^\circ$ ,  $m\angle CBD = 96^\circ$   
 $x =$  \_\_\_\_\_

2)



$m\angle QPS = 180^\circ$ ,  $m\angle QPR = 55^\circ$ ,  $m\angle RPS = 35^\circ$   
 $x = (3x - 15)^\circ$   
**35**

3)



$m\angle YXW = 168^\circ$ ,  $m\angle XZY = x^\circ$   
 $x =$  \_\_\_\_\_

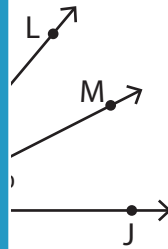
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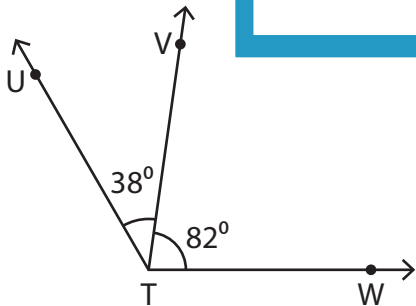
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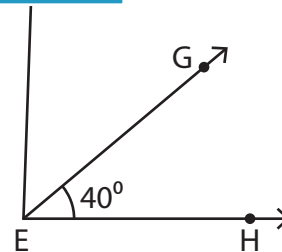


$m\angle LJM = 180^\circ$ ,  $m\angle LMN = x^\circ$ ,  $m\angle NMJ = (8x - 30)^\circ$   
**10**

5)



$m\angle UTW = (7x + 15)^\circ$   
 $x =$  **15**



$m\angle HEF = 88^\circ$ ,  $m\angle FEG = (2x - 6)^\circ$   
 $x =$  **27**