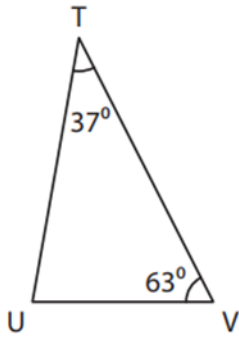




## Angle-sum property of a triangle

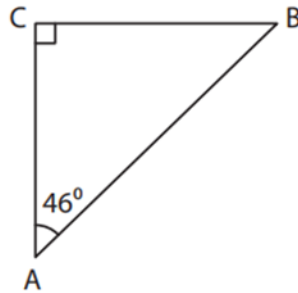
Find the measure of the indicated angle in each triangle.

1)



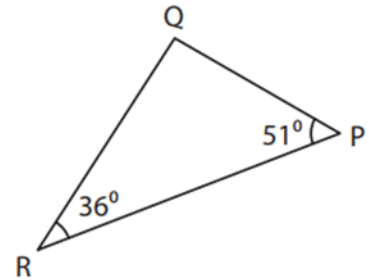
$$m\angle U = \underline{\hspace{2cm}}$$

2)



$$m\angle B = \underline{\hspace{2cm}}$$

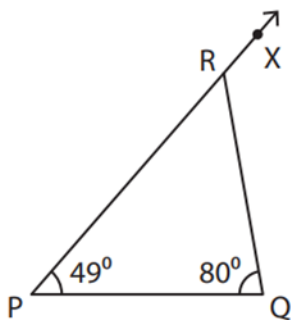
3)



$$m\angle Q = \underline{\hspace{2cm}}$$

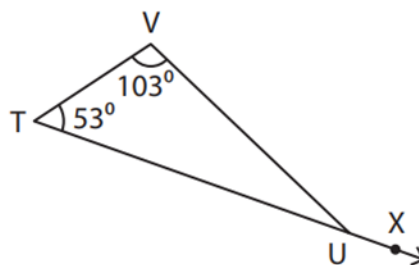
Find the measure of the indicated angle in each triangle.

1)



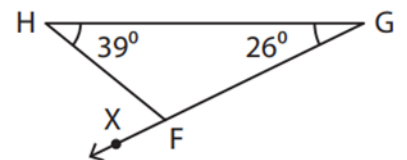
$$m\angle QRX = \underline{\hspace{2cm}}$$

2)



$$m\angle VUX = \underline{\hspace{2cm}}$$

3)

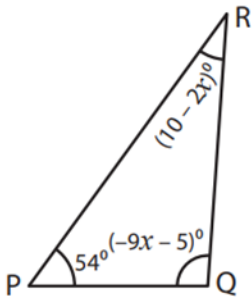


$$m\angle HFX = \underline{\hspace{2cm}}$$



Find the value of  $x$  and the measure of an indicated angle:

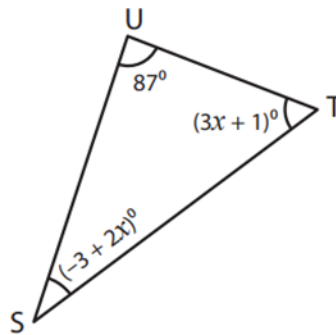
4)



$$x = \underline{\hspace{2cm}}$$

$$m\angle Q = \underline{\hspace{2cm}}$$

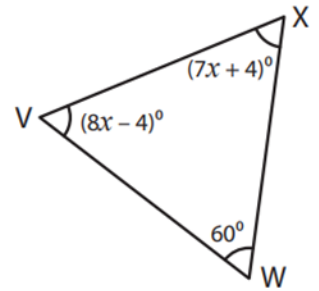
5)



$$x = \underline{\hspace{2cm}}$$

$$m\angle S = \underline{\hspace{2cm}}$$

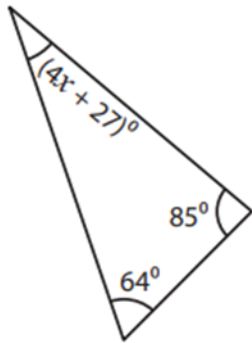
6)



$$x = \underline{\hspace{2cm}}$$

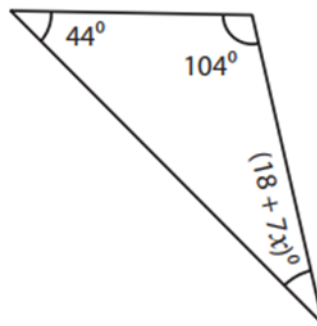
$$m\angle V = \underline{\hspace{2cm}}$$

7)



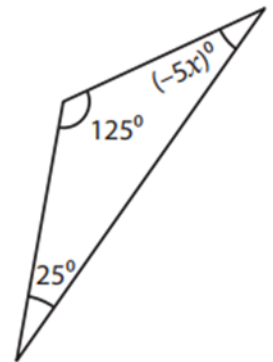
$$x = \underline{\hspace{2cm}}$$

8)



$$x = \underline{\hspace{2cm}}$$

9)



$$x = \underline{\hspace{2cm}}$$



## Answers

1) 80

2) 44

3) 93

4) 129

5) 156

6) 65

7)  $x = 11$ ;  $\angle Q = 104$

8)  $x = 19$ ;  $\angle S = 35$

9)  $x = 8$ ;  $\angle V = 60$

10) 1

11) 2

12) 6