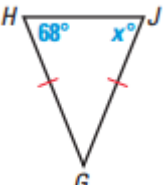
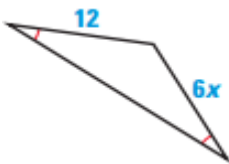
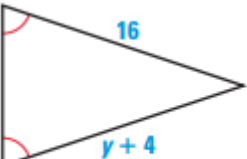


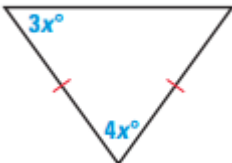
Homework 2.5 Triangle Sum, Exterior Angle, Base Angle Theorems

Find the value of missing variable.


1. 

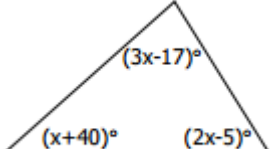
2. 

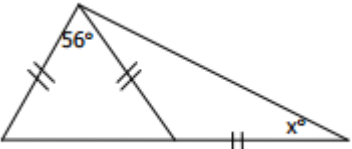
3. 

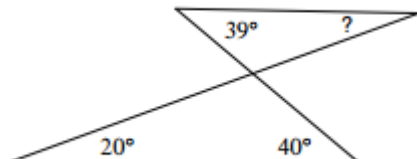
4. 

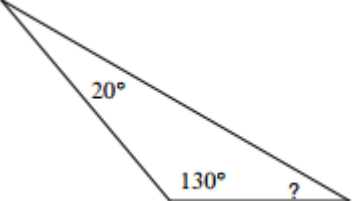
Solve for x.

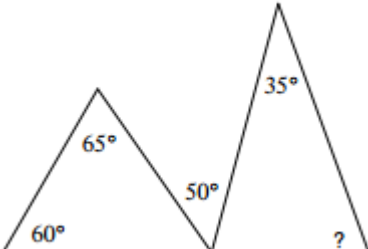
5. 

6. 

7. 

8. 

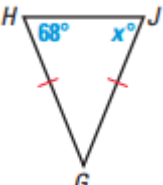
9. 

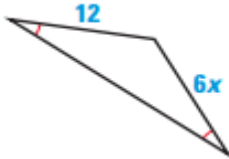
10. 

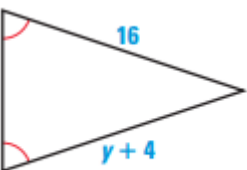
Homework 2.5 Triangle Sum, Exterior Angle, Base Angle Theorems

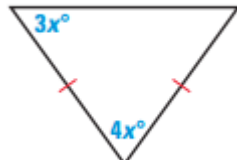
Solutions

Find the value of missing variable.


1.  $x = 68^\circ$

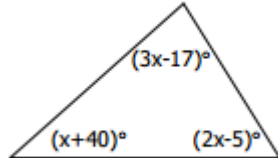
2.  $x = 2$

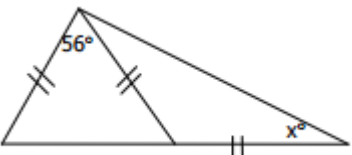
3.  $y = 12$

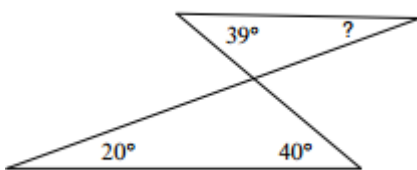
4.  $x = 18$

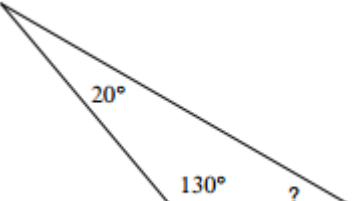
Solve for x.

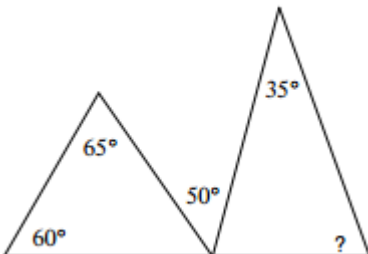
5.  $x = 60^\circ$

6.  $x = 27$

7.  $x = 31^\circ$

8.  $? = 21^\circ$

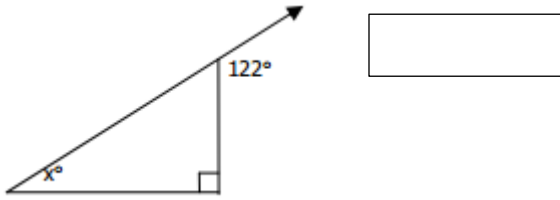
9.  $? = 30^\circ$

10.  $? = 70^\circ$

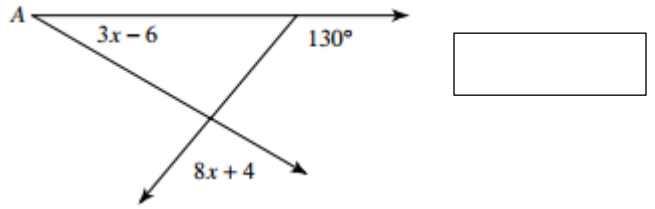
Homework 2.5 Triangle Sum, Exterior Angle, Base Angle Theorems (Page 2)

Find the measure of each angle indicated.

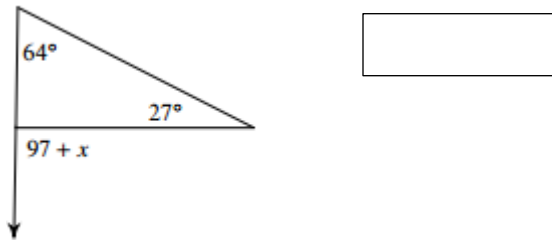
11.



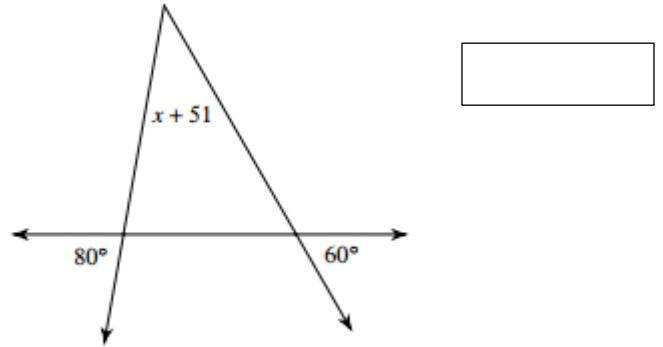
12.



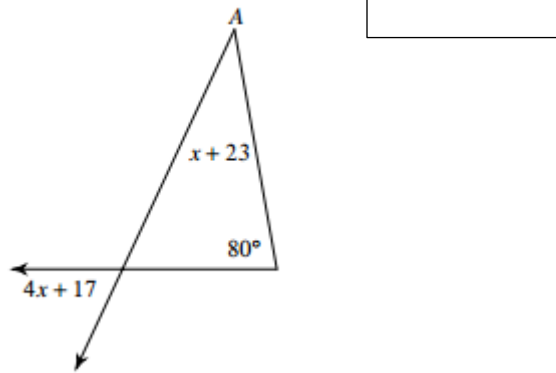
13.



14.

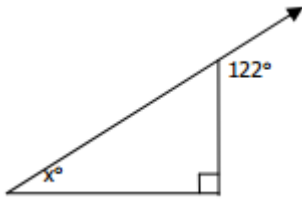


15.



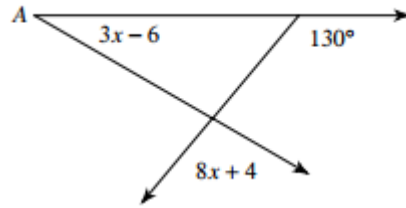
Find the measure of each angle indicated.

11.



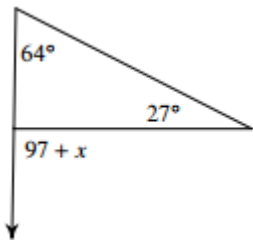
$$x = 32^\circ$$

12.



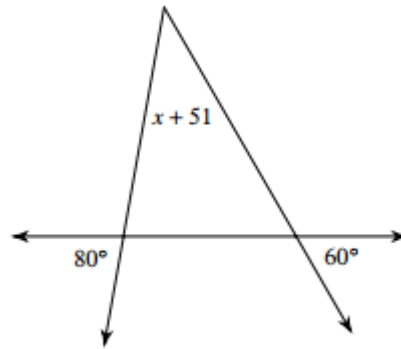
$$x = 30^\circ$$

13.



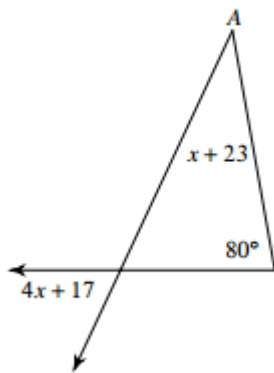
$$x = -6$$

14.



$$x = -11$$

15.



$$x = 35^\circ$$