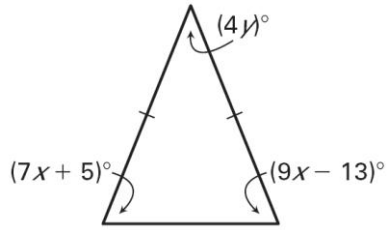


Geometry H
4.7 Practice Worksheet

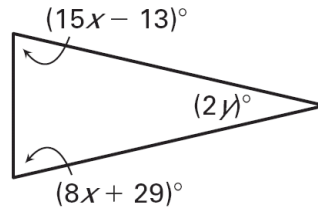
Name _____
Date: _____ **Period:** _____

Find the values of x and y .

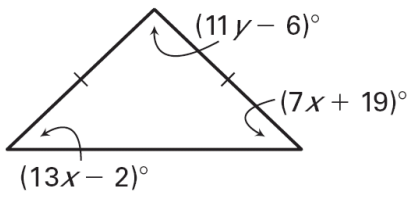
1.



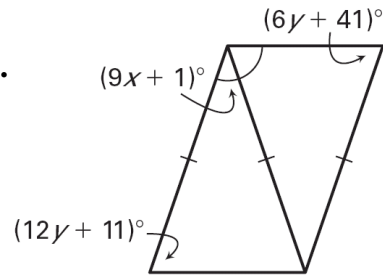
2.



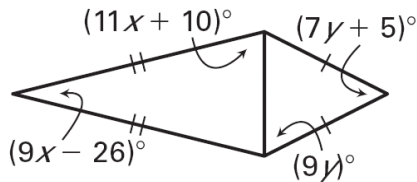
3.



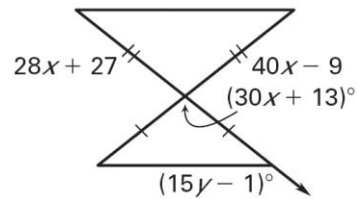
4.



5.

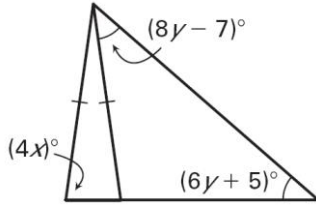


6.

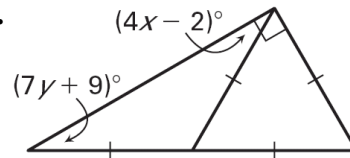


Find the values of x and y , if possible. If not possible, *explain* your reasoning.

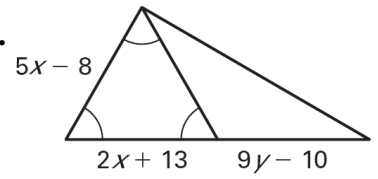
7



8.

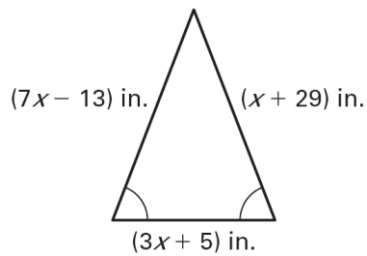


9.

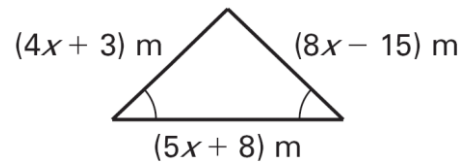


Find the perimeter of the triangle.

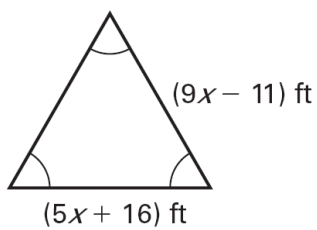
10.



11.

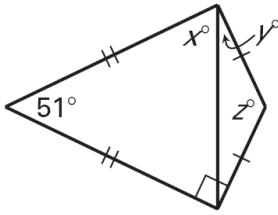


12.

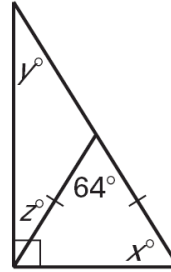


Find the values of x , y , and z .

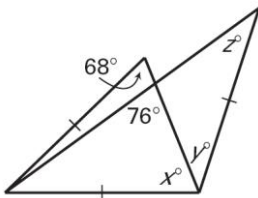
13.



14.



15.



Answer Key

- | | |
|--|---------------------|
| 1. $x = 9, y = 11$ | 2. $x = 6, y = 13$ |
| 3. $x = 3.5, y = 9$ | 4. $x = 12, y = 5$ |
| 5. $x = 6, y = 7$ | 6. $x = 3, y = 9.5$ |
| 7. $x = 20.5, y = 6$ | 8. $x = 8, y = 3$ |
| 9. $x = 7$, cannot determine y ; could find y if it was given that $9y - 10$ is equal to $5y - 8$. | |
| 10. 98 in. | 11. 72.5 m |
| 12. 149.25 ft | |
| 13. $x = 64.5, y = 25.5, z = 129$ | |
| 14. $x = 58, y = 32, z = 32$ | |
| 15. $x = 68, y = 40, z = 36$ | |