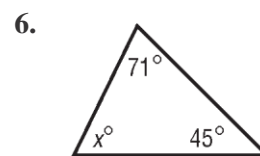
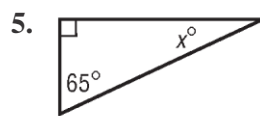
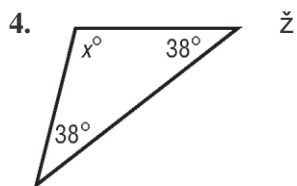
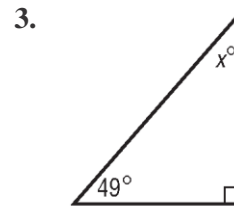
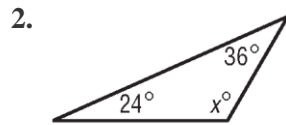
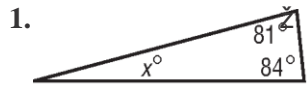


LT 18 Practice

Angles of Triangles

Find the value of x in each triangle with the given angle measures.

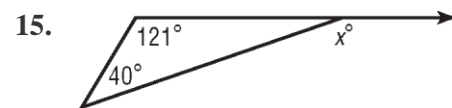
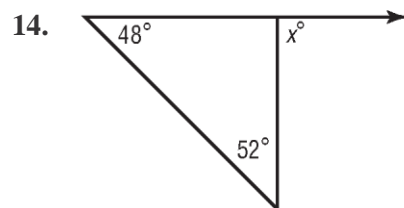
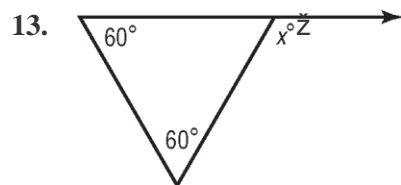
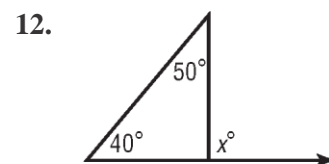
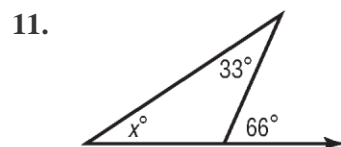
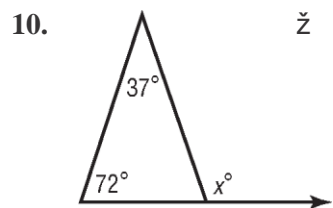


7. $57^\circ, 51^\circ, x^\circ$

8. $x^\circ, 126^\circ, 22^\circ$

9. $90^\circ, x^\circ, 50^\circ$

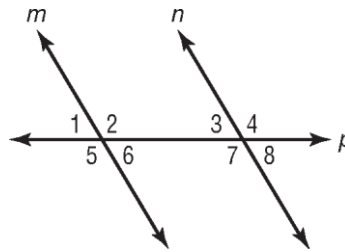
Find the value of x in each triangle.



Lines

For Exercises 1-12, use the figure at the right.
 In the figure, line m is parallel to line n .

Classify each pair of angles as *alternate interior*, *alternate exterior*, or *corresponding*.



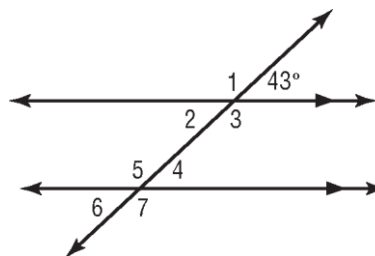
1. $\angle 1$ and $\angle 8$
2. $\angle 5$ and $\angle 7$
3. $\angle 3$ and $\angle 6$
4. $\angle 2$ and $\angle 4$
5. $\angle 2$ and $\angle 7$
6. $\angle 4$ and $\angle 5$

If $m\angle 4 = 122^\circ$, find each given angle measure. Justify your answer.

7. $m\angle 8$
8. $m\angle 5$
9. $m\angle 2$
10. $m\angle 1$
11. $m\angle 6$
12. $m\angle 7$

For Exercises 13 and 14, use the figure at the right.

13. List all the angles congruent to the given angle.
 Explain your reasoning.



14. List all the angles congruent to $\angle 5$. Explain your reasoning.