## K Kill M：Using Anglt Suras

Find the measure of each angle labeled x ．


This figure is a parallelogram．


This figure is a regular hexagon．


This figure is a parallelogram．


A right triangle has one right angle and two acute angles．Without measuring，find the sum of the measures of the two acute angles．Explain．


## Find the measure of each angle labeled $x$ ．

1. 


2.

3.

4.

5.

6.


## Find the measure of each angle labeled $x$ ．

7. 


8.

9.

10. An isosceles triangle has two $50^{\circ}$ angles. What is the measure of the third angle? Explain your reasoning.
11. One angle of an isosceles triangle measures $100^{\circ}$. What are the measures of the other two angles? Explain your reasoning.
12. Two of the measures of a parallelogram are $75^{\circ}$. What are the measures of the other two angles? Explain your reasoning.

In Exercises 13 - 16, find the measure of angle b.
13.

14.

15.

16.


In Exercises $17-19$, find the value of x .

19.

20. In a regular octagon, if 7 of the interior angles each measure 135 degrees, what is the measure of the remaining angle?

