KHM: Using Angle Sums



 $\begin{array}{c} 1. \\ 25^{\circ} \\ x \quad 30^{\circ} \end{array}$

x 53°

5. x 54° 54°





Section 2

Find the measure of each angle labeled x.



10. An isosceles triangle has two 50° angles. What is the measure of the third angle? Explain your reasoning.

11. One angle of an isosceles triangle measures 100 °. What are the measures of the other two angles? Explain your reasoning.

12. Two of the measures of a parallelogram are 75 °. What are the measures of the other two angles? Explain your reasoning.



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

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