

5.4 Learning Opportunity

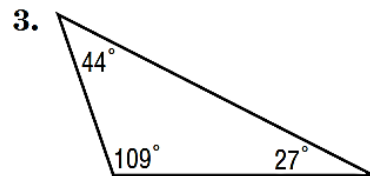
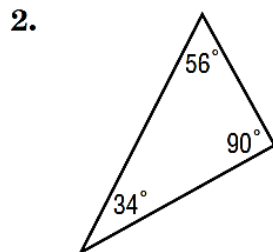
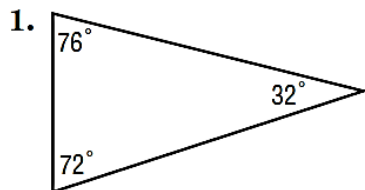
Classifying Triangles and Quadrilaterals

Finding missing angles of Triangles and Quadrilaterals



Name: _____

Classify each triangle drawn or having the given angle measures as *acute*, *right*, or *obtuse*.

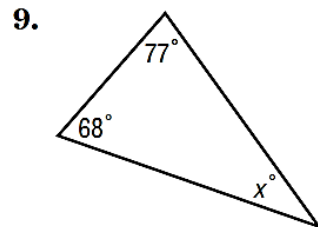
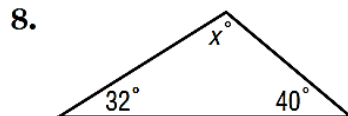
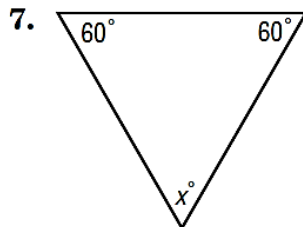


4. $81^\circ, 76^\circ, 23^\circ$

5. $118^\circ, 34^\circ, 28^\circ$

6. $90^\circ, 60^\circ, 30^\circ$

Find the value of x in each triangle drawn or having the given angle measures.

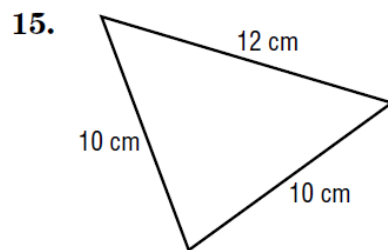
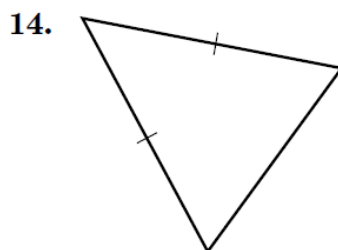
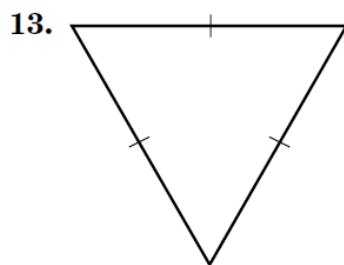


10. $81^\circ, 56^\circ, x^\circ$

11. $x^\circ, 65^\circ, 21^\circ$

12. $x^\circ, 42^\circ, 15^\circ$

Classify each triangle drawn or described as *scalene*, *isosceles*, or *equilateral*.



16. sides: 20 in., 8 in., 14 in.

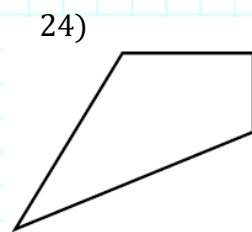
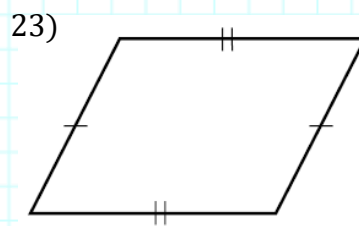
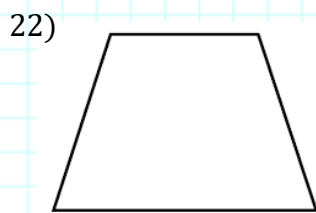
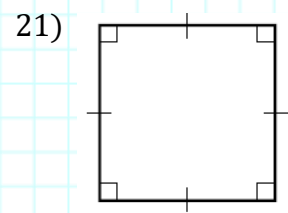
17. sides: 7 ft, 6 ft, 7 ft

18. sides: 4 m, 10 m, 7 m

19. What is the measure of the third angle of a triangle if one angle measures 39° and the other angle measures 78° ?

20. What is the measure of the third angle of a right triangle if one of the angles measures 44° ?

Classify (name) each quadrilateral shown below. Use the most specific name for each.



Find the value of x for each quadrilateral below.

