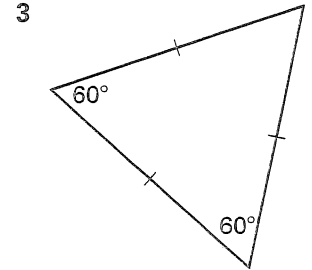
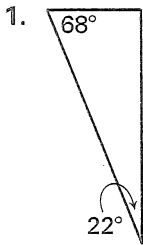


Practice C

For use with pages 194–201

Classify the triangle by its angles and by its sides.



Sketch the following triangles, if possible. If not possible, state so.

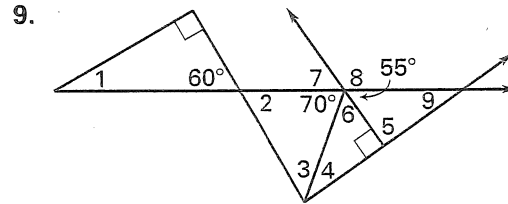
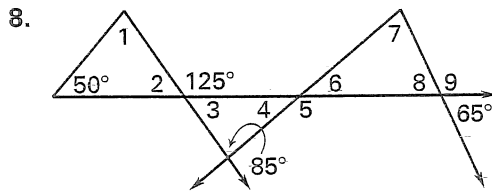
4. A right isosceles triangle

5. An obtuse scalene triangle

6. An acute equilateral triangle

7. A right obtuse triangle

Find the measure of the numbered angle.



The variable expressions represent the angle measures of a triangle.

Find the measure of each angle. Then classify the triangle by its angles.

10. $m\angle A = x^\circ$

11. $m\angle A = (3x - 17)^\circ$

12. $m\angle A = 2x^\circ$

$m\angle B = 2x^\circ$

$m\angle B = (x + 40)^\circ$

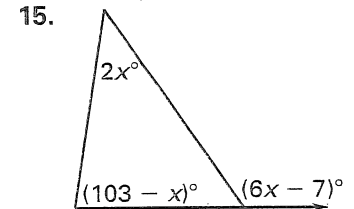
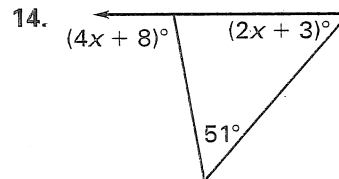
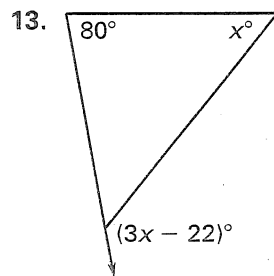
$m\angle B = x^\circ$

$m\angle C = 3x^\circ$

$m\angle C = (2x - 5)^\circ$

$m\angle C = (x - 20)^\circ$

In Exercises 13–15, find the measure of the exterior angle shown.



16. In $\triangle ABC$, the measure of $\angle A$ is 42° . The measure of $\angle B$ is 8 less than twice $m\angle A$. What is the measure of the exterior angle at vertex C ?