Name _____   **Date** _____
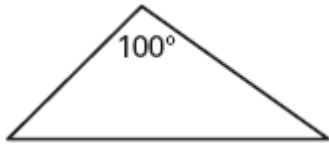
Practice B
For use with pages 216–224

Classify the triangle by its sides and by its angles.

1.

100°
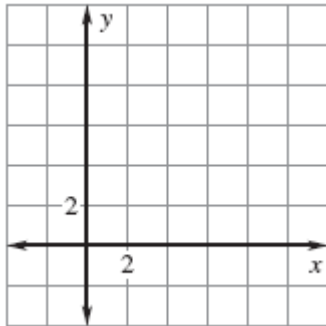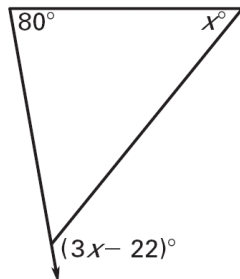
2.

3.

75° 75°
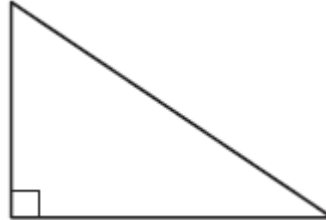
A triangle has the given vertices. Graph the triangle and classify it by its sides. Then determine if it is a right triangle.
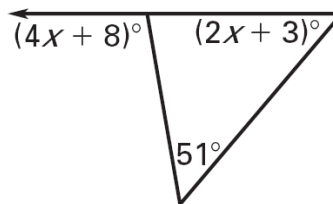
4. $A(3, 1)$, $B(3,4)$, $C(7, 1)$
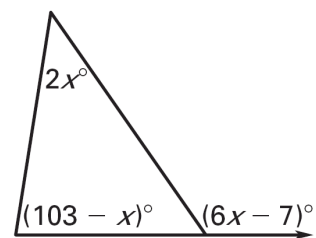

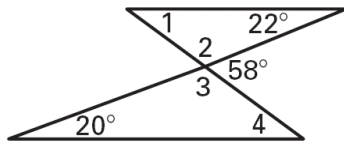**Find the measure of the exterior angle shown.**

5.

80° $x°$
$(3x - 22)°$

6.

$(4x + 8)°$ $(2x + 3)°$
$51°$

7.

$2x°$
$(103 - x)°$ $(6x - 7)°$

Find the measure of the numbered angle.

8. ∠1
9. ∠2
10. ∠3
11. ∠4

12. In △ABC, $m\angle A = m\angle B + 30°$ and $m\angle C = m\angle B + 60°$. Find the measure of each angle.

13. In △ABC, $m\angle A = 2(m\angle B)$ and $m\angle C = 3(m\angle B)$. Find the measure of each angle.

Find the values of x and y.

14.

15.

16.