

Name _____

Date _____

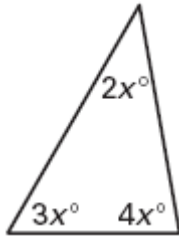
LESSON 4.1

Practice C

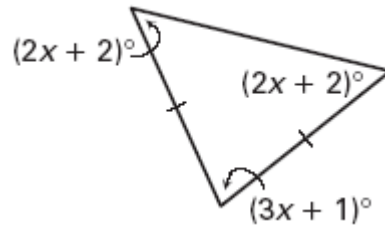
For use with pages 216–224

Classify the triangle by its sides. Then find the value of x and classify the triangle by its angles.

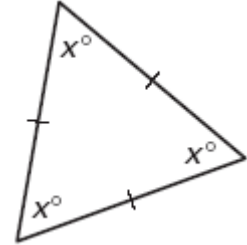
1.



2.

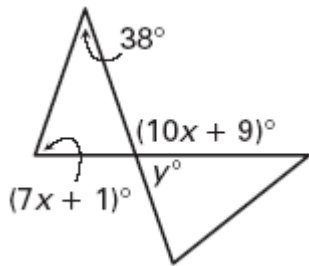


3.

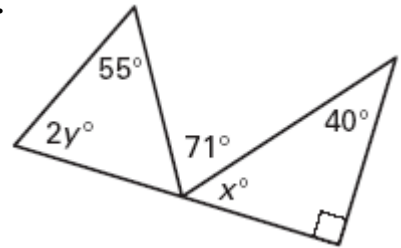


Find the value of x and y .

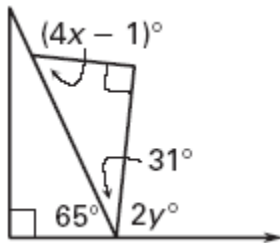
4.



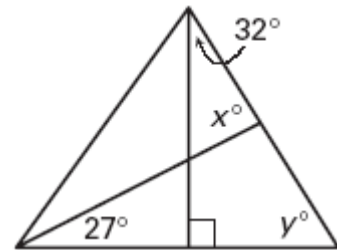
5.



6.

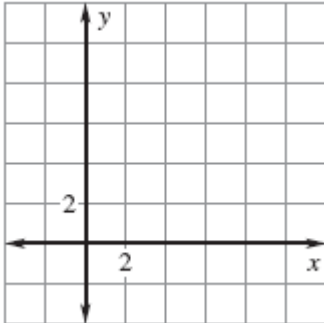


7.



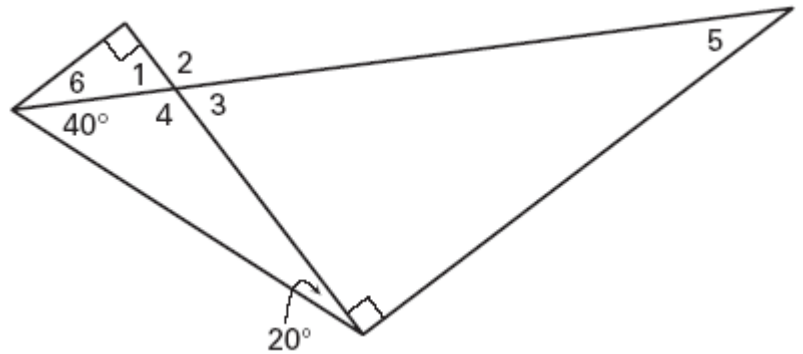
A triangle has the given vertices. Graph the triangle and classify it by its sides. Then determine if it is a right triangle.

8. $A(2, 2)$, $B(6, 2)$, $C(4, 8)$



Find the measure of the numbered angle

9. $m\angle 1$
10. $m\angle 2$
11. $m\angle 3$
12. $m\angle 4$
13. $m\angle 5$
14. $m\angle 6$



15. **Angle Measures** The measure of one interior angle of a triangle is 32° . The other interior angles are congruent. Find their measure.
15. In $\triangle ABC$, $m\angle A = 42^\circ$. The measure of $\angle B$ is five times the measure of $\angle C$. Find $m\angle B$ and $m\angle C$.
16. **Coat Hanger** A 30 inch piece of metal wire is used to make the triangular portion of a coat hanger. One side of this isosceles triangle is 8 inches. Find two different sets of measurements to make the coat hanger.