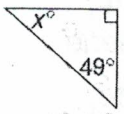
Name _____ Date _____ Class _____

LESSON 8-4

Practice B

Triangles

1. Find $x°$ in the right triangle.



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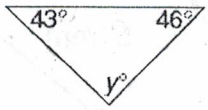
2. Find $y°$ in the obtuse triangle.



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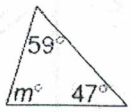
3. Find $m°$ in the acute triangle.



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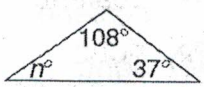
4. Find $n°$ in the obtuse triangle.



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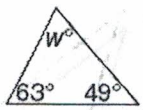
5. Find $w°$ in the acute triangle.



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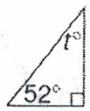
6. Find $t°$ in the right triangle.



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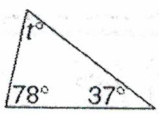
7. Find $t°$ in the scalene triangle.



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8. Find $x°$ in the isosceles triangle.

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9. Find $n°$ in the scalene triangle.

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10. In the figure, M is the midpoint of $\overline{JK}$ and $\overline{LM}$ is perpendicular to $\overline{JK}$. Find the length of $\overline{LM}$.

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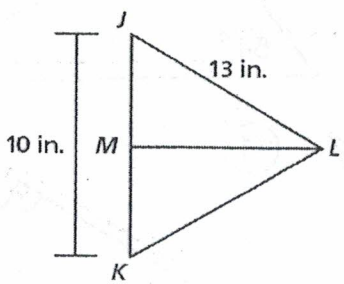

11. The second angle in a triangle is one third as large as the first. The third angle is two thirds as large as the first angle. Find the angle measures. Draw a possible picture of the triangle.

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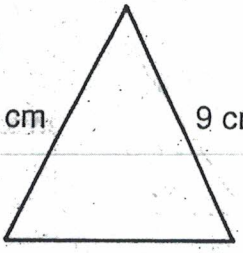
What Did the Boy Candy Say to the Girl Candy?

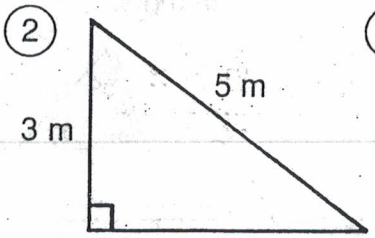
Do each exercise and find your answer in the set of answers to the right. Write the letter of the answer in each box containing the number of the exercise. If the answer has a ●, shade in each box containing that exercise number.

I. Classify each triangle two ways.

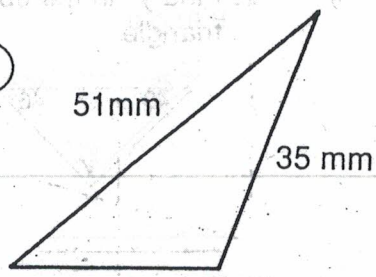
(1)



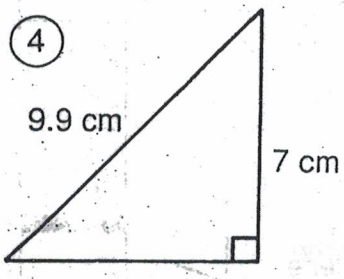
(2)



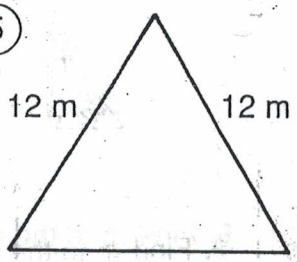
(3)



(4)



(5)



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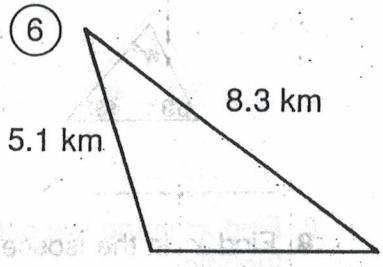


(S) acute; scalene

(I) acute; isosceles

(H) acute; equilateral

(O) right; scalene

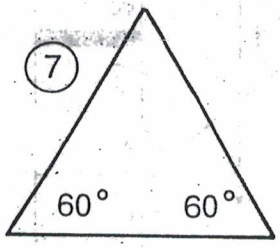
(M) right; isosceles

(A) obtuse; scalene

(F) obtuse; isosceles

II. Find the measure of the third angle in each triangle.

(7)



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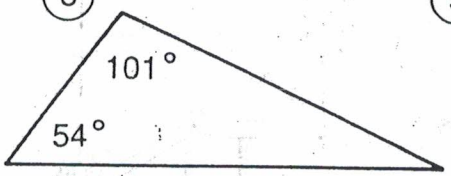

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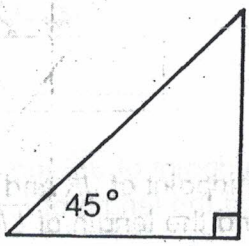

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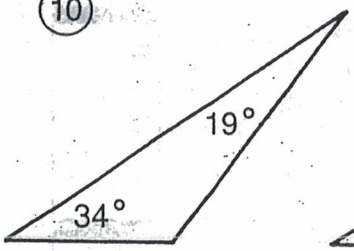

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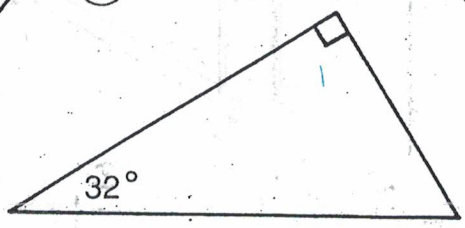

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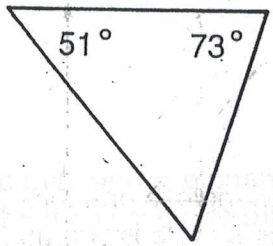

(R) 25°

● 116°

(E) 56°

(T) 127°

(W) 60°

(N) 30°

● 58°

(C) 45°

(L) 40°

(13) Two angles of a triangle have equal measures. If the third angle measures 120°, what is the measure of each of the equal angles?

7	12	11	3	8	12	11	4	1	13	10	11	6	2	8	11	12	3	9	5	11	2	10	5	12	8