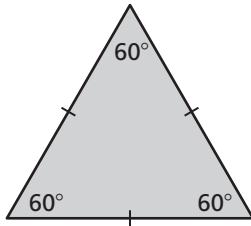


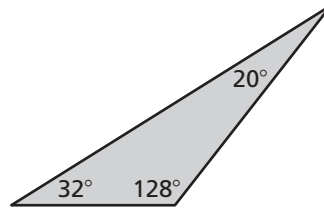
7.3 Practice A

Classify the triangle.

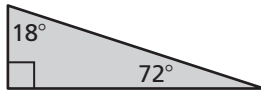
1.



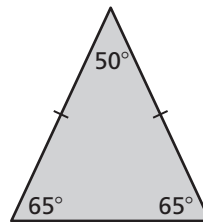
2.



3.

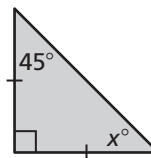
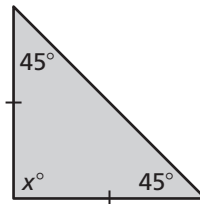
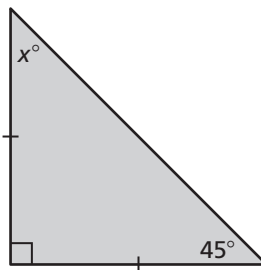


4.



Draw a triangle with the given description.

5. a right triangle with two congruent sides
6. a scalene triangle with a 3-inch side and a 4-inch side that meet at a 110° angle
7. Consider the three isosceles right triangles.

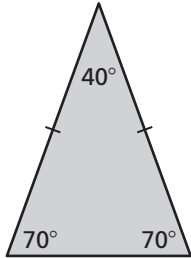


- a. Find the value of x for each triangle.
- b. What do you notice about the angle measures of each triangle?
- c. Write a rule about the angle measures of an isosceles right triangle.

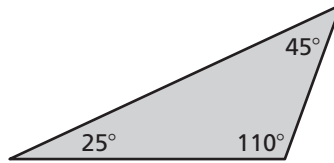
7.3 Practice B

Classify the triangle.

1.



2.



Draw a triangle with the given angle measures. Then classify the triangle.

3. $25^\circ, 65^\circ, 90^\circ$ 4. $45^\circ, 60^\circ, 75^\circ$

Draw a triangle with the given description.

5. an obtuse scalene triangle

6. a triangle with a 110° angle connected to a 25° angle by a 6-inch side

Determine whether you can construct *many, one, or no* triangle(s) with the given description. Explain your reasoning.

7. a triangle with a 2-inch side, a 4-inch side, and a 5-inch side

8. a scalene triangle with two 7-centimeter sides

9. a triangle with one angle measure of 100° and one 6-inch side

10. Draw a circle. Draw a triangle with the given description such that all three vertices of the triangle touch the circle.

a. Draw an obtuse triangle.

b. Draw a right triangle.

c. Draw an acute triangle.

7.3 Puzzle Time

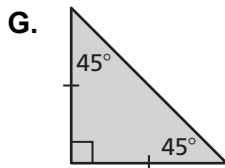
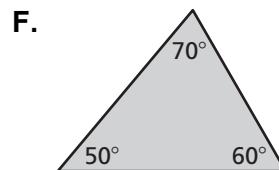
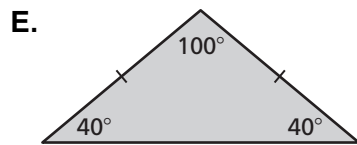
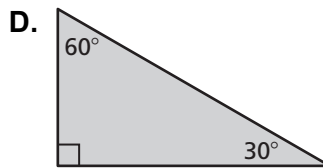
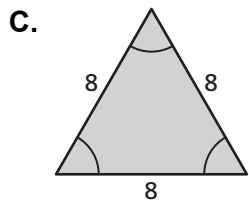
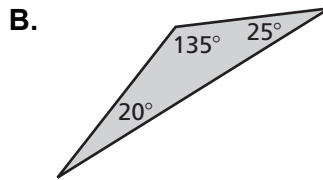
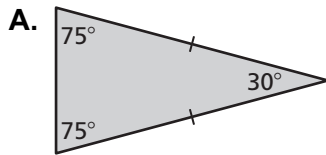
Why Did The Kindergartener Take Her Books To The Zoo?

A	B	C	D	E	F
G	H	I			

Complete each exercise. Find the answer in the answer column. Write the word under the answer in the box containing the exercise letter.

Equilateral and Equiangular Triangle TO
80 LIONS
Acute Scalene Triangle READ
Obtuse Scalene Triangle WANTED
Right Isosceles Triangle BETWEEN

Classify the triangle.



Obtuse Isosceles Triangle TO
Acute Isosceles Triangle SHE
Right Scalene Triangle LEARN
115 THE

H. A triangle contains angles measuring 28° and 37° .
How many degrees is the third angle of the triangle?

I. A triangle contains angles measuring 25° and 75° .
How many degrees is the third angle of the triangle?