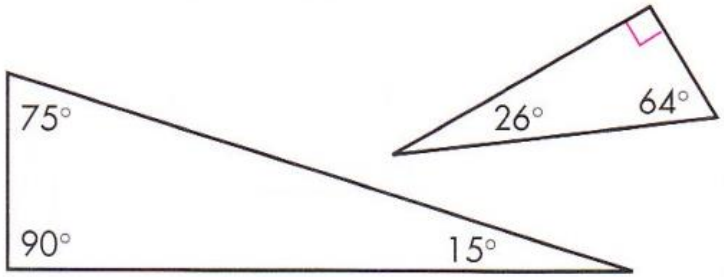
12.3

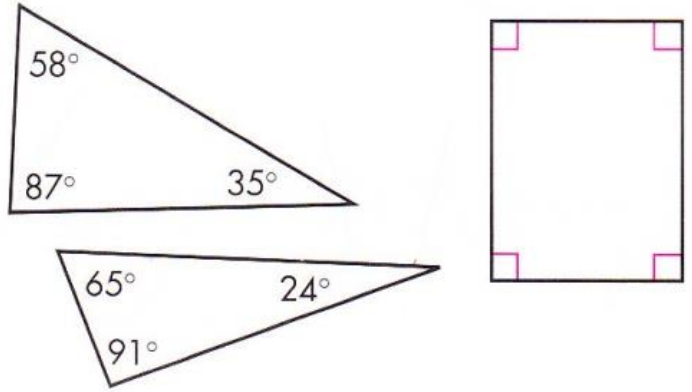
TRIANGLES

1.* Define *right triangle.*

Right triangles

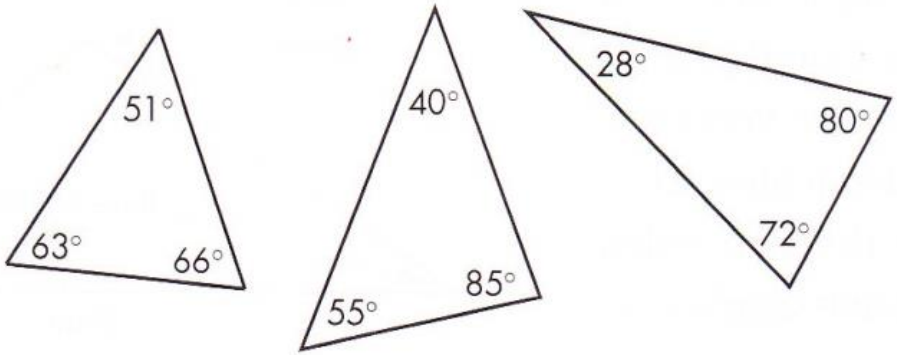


Not right triangles

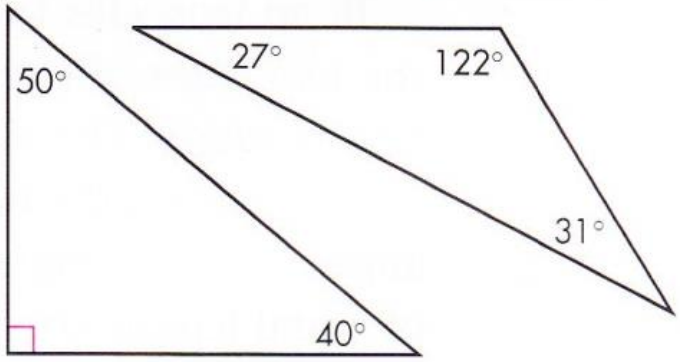


2. Define *acute triangle.*

Acute triangles

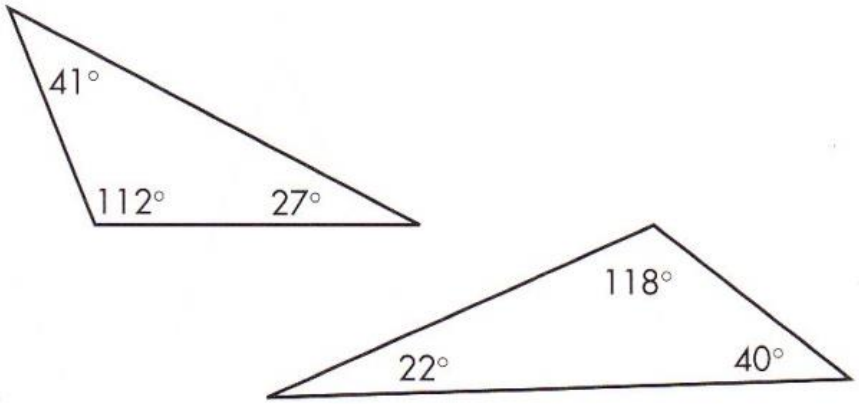


Not acute triangles

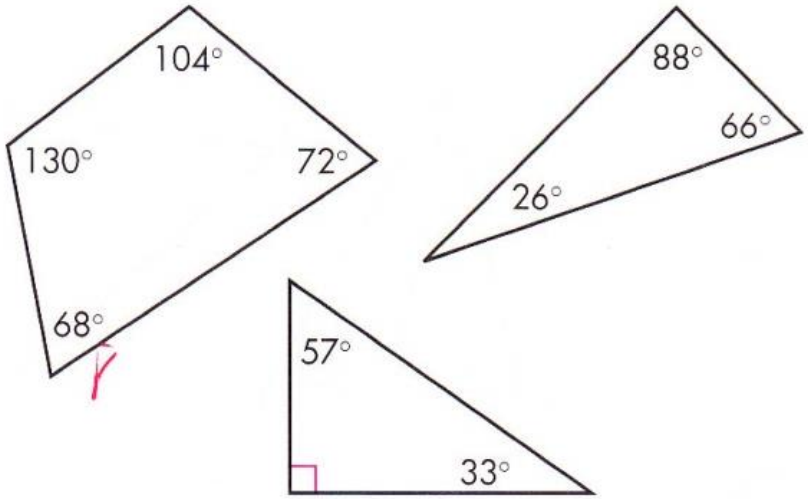


3. Define *obtuse triangle.*

Obtuse triangles

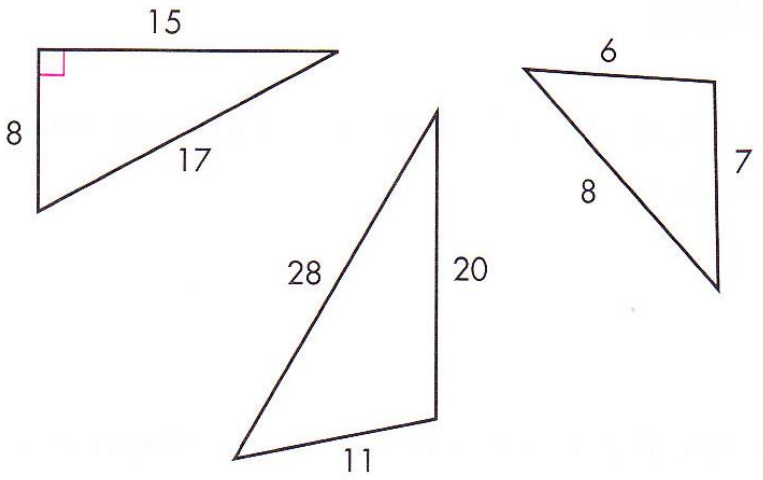


Not obtuse triangles

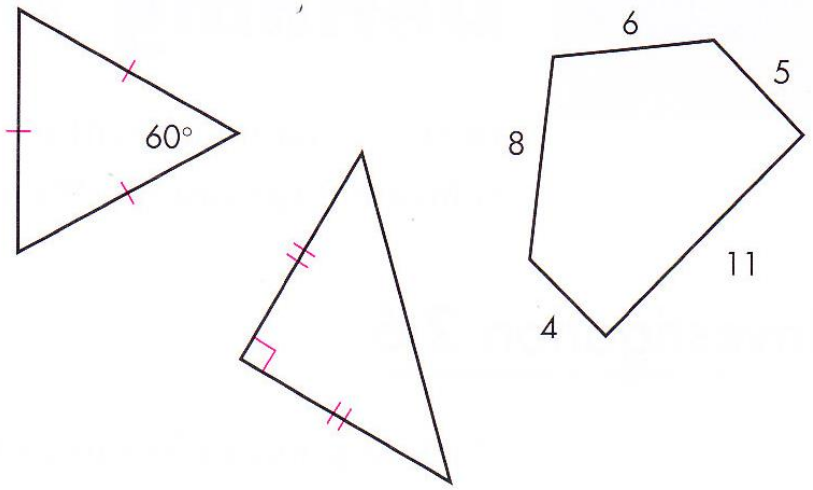


4. Define *scalene triangle.*

Scalene triangles

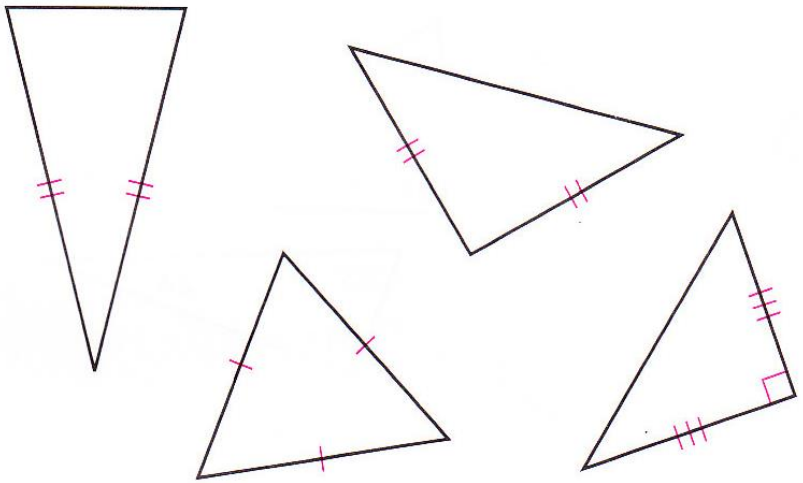


Not scalene triangles

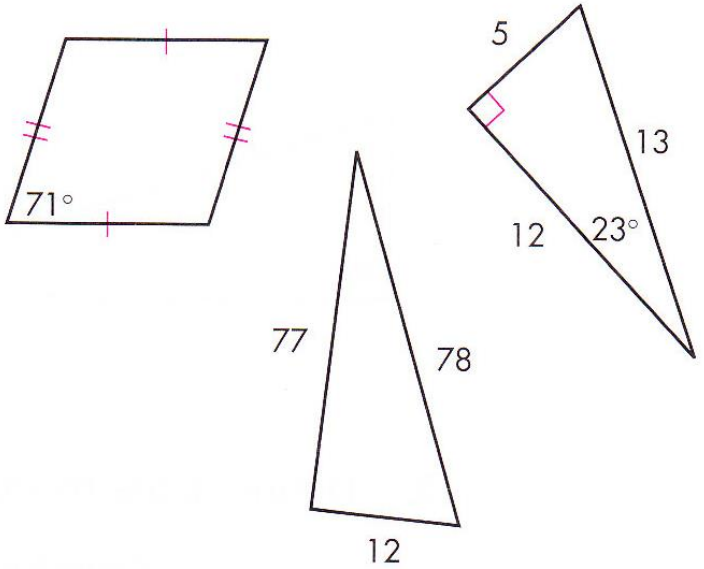


5. Define *isosceles triangle.*

Isosceles triangles

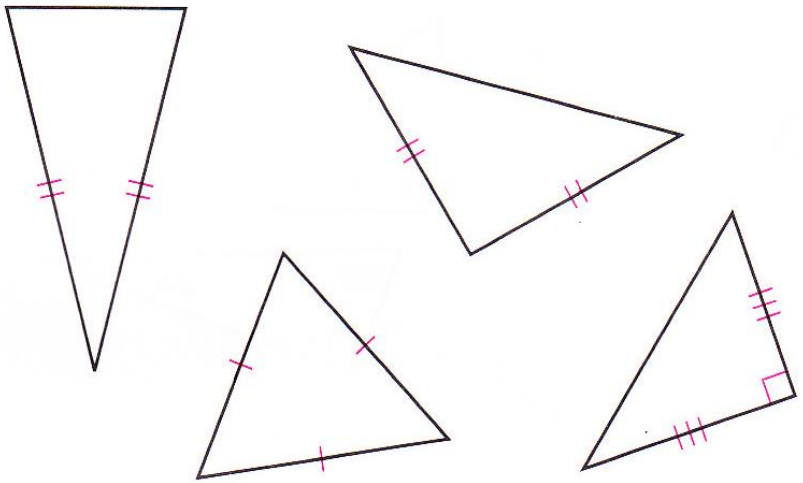


Not isosceles triangles

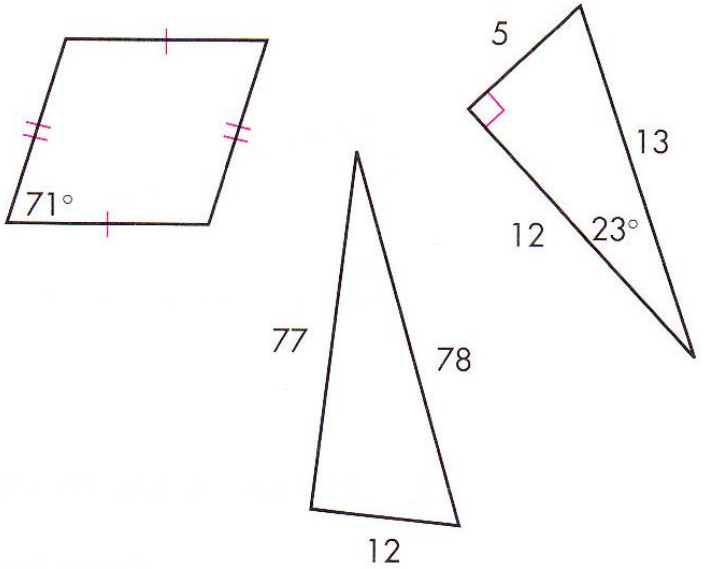


5. Define *isosceles triangle.*

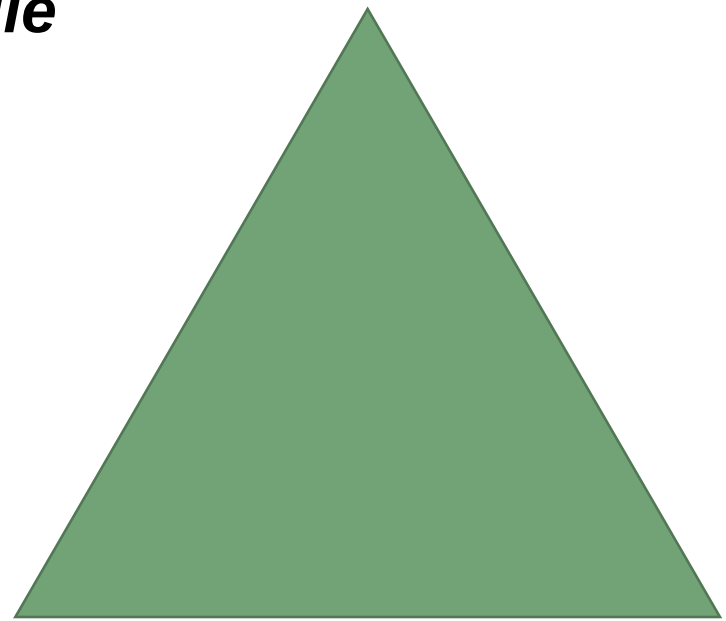
Isosceles triangles



Not isosceles triangles



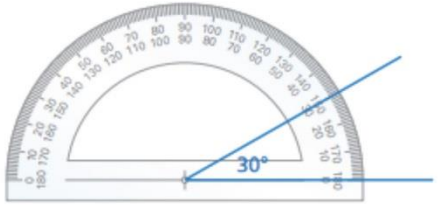
6. Define *equilateral triangle*



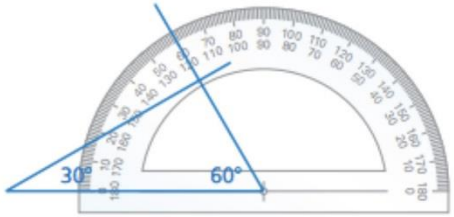
Constructing a Triangle Using Angle Measures

Draw a triangle with angle measures 30°, 60°, and 90°. Then classify the triangle.

Step 1: Use a protractor to draw a 30° angle.



Step 2: Use a protractor to draw a 60° angle on the other side of the 30° angle.



Step 3: Check the remaining angle. It should be a 90° angle.

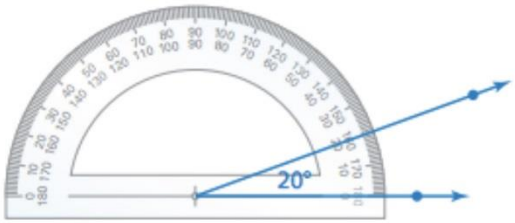
Draw your triangle in the space below.

Classification:

Constructing a Triangle Using Side Lengths

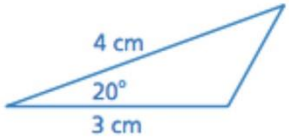
Draw a triangle with a 3-cm side and a 4-cm side that meet at a 20° angle. Then classify the triangle.

Step 1: Use a protractor to draw a 20° angle.



Step 2: Use a ruler to mark 3 cm on one side and 4 cm on the other side of the angle.

Step 3: Draw the third side to form the triangle.



Draw your triangle in the space below.

Classification: