

1.3 Interior Angles of Triangles

Warm-Up

Write all you know about the following.

Acute Angle

Obtuse Angle

Right Angle

Scalene

Isosceles

Equilateral

Main Topic Interior Angles of Triangles

Classifications of Triangles (Angles)

Use a protractor to construct triangles.

All angles measure less than 90°

One angle measures 90°

One angle measures more than 90° but less than 180°

Classification of Triangles (based on angles)

_____ is a triangle with interior angles measure less than 90° .

_____ is a triangle with one interior angle measures 90° .

_____ is a triangle with one interior angle measures more than 90° .



Classifications of Triangles (Angles) Cutouts

Acute Triangles

Right Triangles

Obtuse Triangles



Classifications of Triangles (Sides)

Use a straight edge to construct triangles.

No Congruent Sides

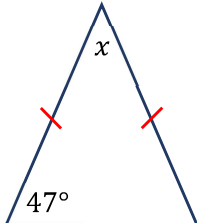
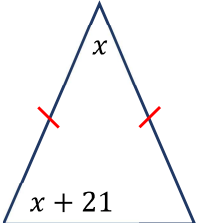
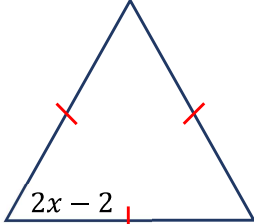
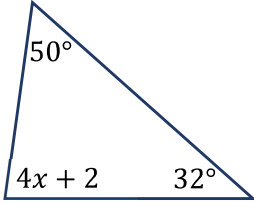
Two Congruent Sides

All Congruent Sides

Classification of Triangles
(based on sides)

_____ is a triangle with no congruent sides.
 _____ is a triangle with two congruent sides.
 _____ is a triangle with congruent sides.

Solve for x.

Quick Math

Draw an Isosceles Right Triangle.



Classifications of Triangles (Sides) Cutouts

Scalene Triangles

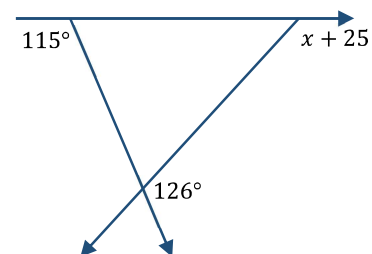
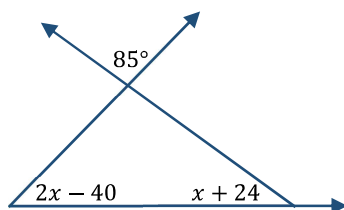
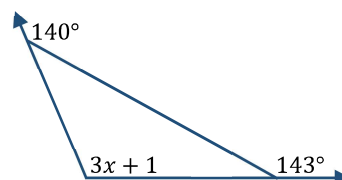
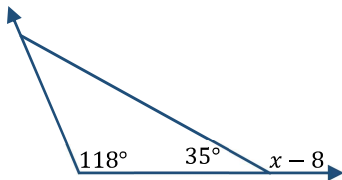
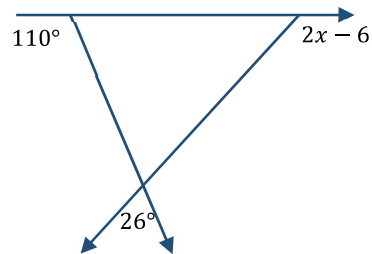
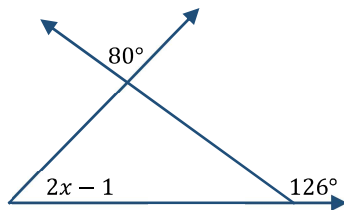
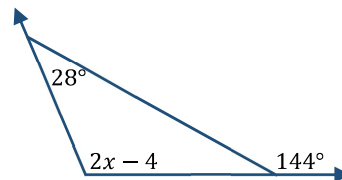
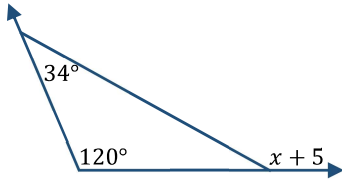
Isosceles Triangles

Equilateral Triangles



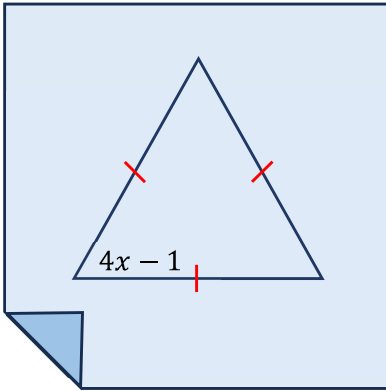
Angles of Triangles

Solve for x then find the measure of all interior angles.

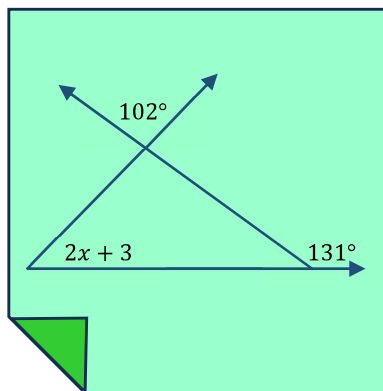
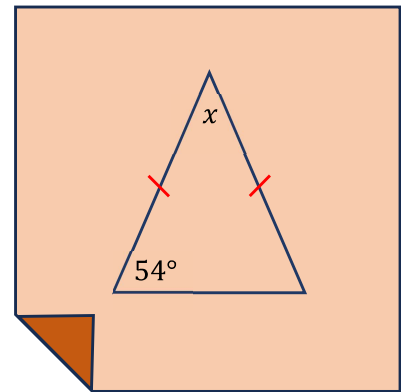
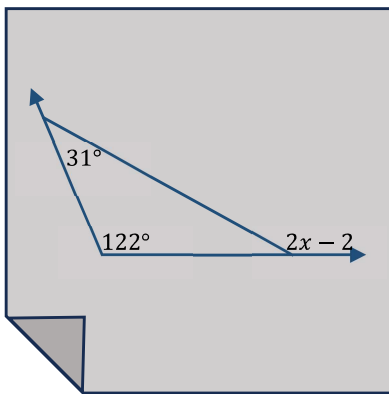
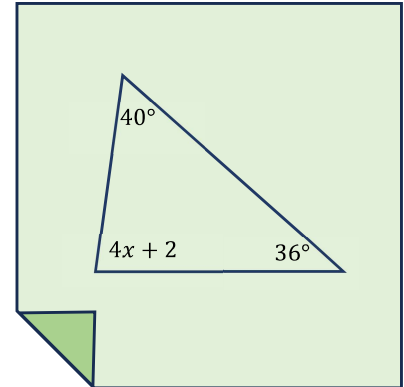
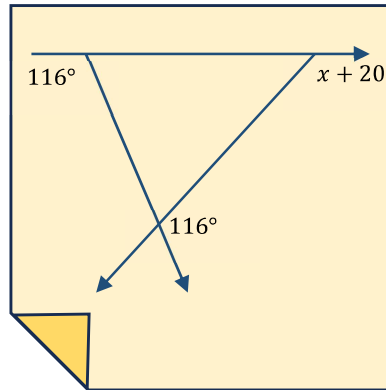


Stickies Gallery

Copy a question on a sticky note, show complete work, and circle the final answer.
Go around the classroom and post your work next to the question.



Solve for x.



End-of-Course Prep