Common Polygons

- **triangle** 3 sides
- **quadrilateral** 4 sides
- **pentagon** 5 sides
- **hexagon** 6 sides
- **octagon** 8 sides

Quadrilaterals That Have Special Names

- A **rectangle** has opposite sides parallel and four right angles.
- A **square** has four sides of the same length and four right angles.
- A **trapezoid** has only one pair of parallel sides.
- A **parallelogram** has opposite sides parallel and of the same length.
- A **rhombus** has opposite sides parallel and four sides of the same length.

Different Ways to Classify Triangles

You can classify triangles by the lengths of their sides.

- **Equilateral Triangle**
  All sides are the same length.
- **Isosceles Triangle**
  At least two sides are the same length.
- **Scalene Triangle**
  No sides are the same length.

You can classify triangles by the sizes of their angles.

- **Right Triangle**
  One angle is a right angle.
- **Obtuse Triangle**
  One angle is an obtuse angle.
- **Acute Triangle**
  All angles are acute angles.