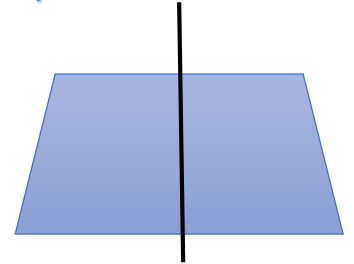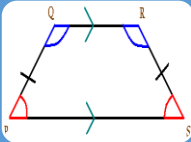# Isosceles Trapezoid
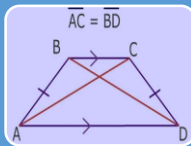
DEFINITION: Isosceles trapezoids are trapezoids that have on line of symmetry (vertical and through the middle) because the both legs are congruent.
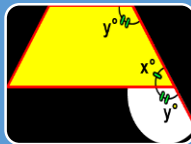
Theorems

A trapezoid is isosceles if and only if the base angles are congruent.

A trapezoid is isosceles if and only if the diagonals are congruent.

TERM: A trapezoid with congruent legs.

If a trapezoid is isosceles, the opposite angles are supplementary

Real life uses of Isosceles Trapezoid include architecture, crafts, and day-to-day objects:

Here is a link for more information:
http://www.regentsprep.org/regents/math/geometry/gp9/ltrapezoid.htm