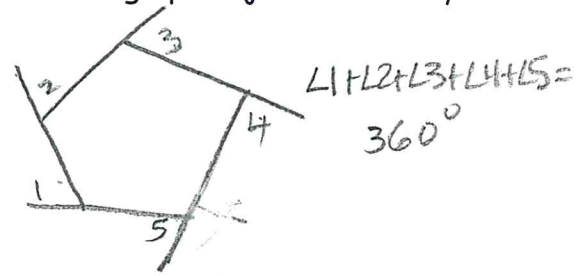


These conjectures need to be added to your Geometric Truth before the next class. PLEASE INCLUDE LABELED SKETCHES FOR EACH ONE.

You should already have C-29 and C-31 written into Geometric Truth from last Wednesday. I recommend using the hard copy of the textbook when you are writing up conjectures. They are a little hard to find in the online text.

C-32 - Exterior Angle Sum Conjecture

P 268 For any polygon, the sum of the measure of a set of exterior angles is 360° .



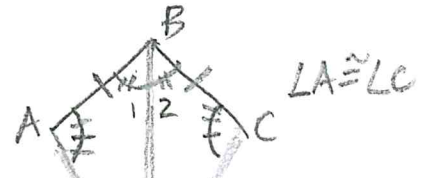
C-33 - Equiangular Polygon Conjecture

P 269 The measure of each interior angle of an equiangular n-gon is $180(n-2)/n$ degrees or $180 - 360/n$ degrees.



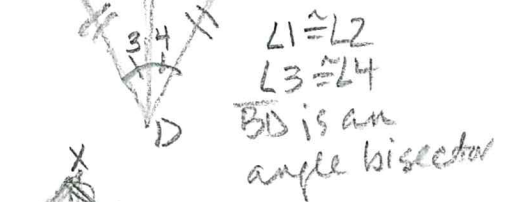
C-34 Kite Angles Theorem

P 275 The non-vertex angles of a kite are congruent.



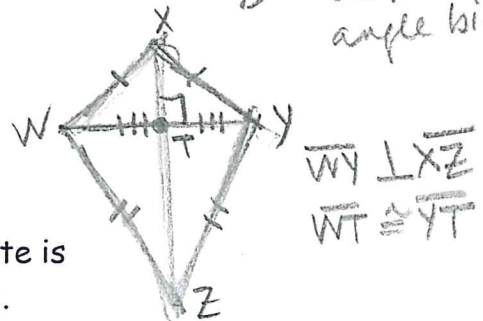
C-37 Kite Angle Bisector Theorem

P 276 The vertex angles of a kite are bisected by a diagonal.



C-35 - Kite Diagonals Theorem

P 276 - The diagonals of a kite are perpendicular.



C-36 Kite Diagonal Bisector Theorem

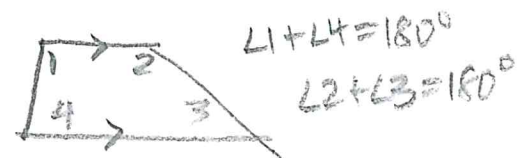
P 276 The diagonal connecting the vertex angles of a kite is the perpendicular bisector of the other diagonal.

Copy sketch from bottom of p 276 into your Geometric Truth to show the bases and pairs of base angles of a trapezoid.

Then copy the definition and sketch for "isosceles trapezoid" (between step 3&4 p 277).

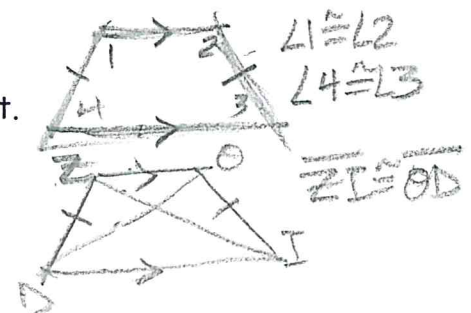
C-38 Trapezoid Consecutive Angles Theorem

P 277 The consecutive angles between the bases of a trapezoid are supplementary.



C-39 Isosceles Trapezoid Conj

P 278 - Pairs of base angles of an isosceles trapezoid are congruent.



C-40 Isosceles Trapezoid Diagonals Conj

P 278: The diagonals of an isosceles trapezoid are congruent.