Constructions Straight edge. No Measuring of lengths or angles is allowed. is a tool to draw CVCLES COMPAS , which show from a specified are equic . New points are constructed only at Intersections . Construction is the foundation of existing CVC prove ; the circles and lines in the construction _ what we have constructed is truly what we are saying it is. Examples: Construct a rhombus with a side length of AB. Quarter la eval w/4 3 51des no side length aire one! 1. set compass AB (the length of EACH side) 2. Drawcircle around A (finds ALL points AB from A) 3. Mark intersection of circle & ray (P) 4. Draw circles with radius AB around BAP 5. Intersection is the ONLY point that is distance AB from BOTH BEP. Construct the perpendicular bisector of CD. with HALL and 90° L (Diagonals of a RHOMBUS are L' & bisect each other) 1. Pick any radius to set side length 2. Draw = circles centered @ C&D. (Finds All points same distance from BOTH DAC) 3. Mark intercection points (these are endpoints of other diagonal *we really just constructed a rhombus not bisect extend DC can be want of bisected seement! The diagonals are I bisectors of each Most constructions can based on a and its other! odiagonals bisect each other Ediagonals are I to each other opposite sides // opposite Ls = · diagonals bisect the 2s of rhombus