Name _____ Date_____

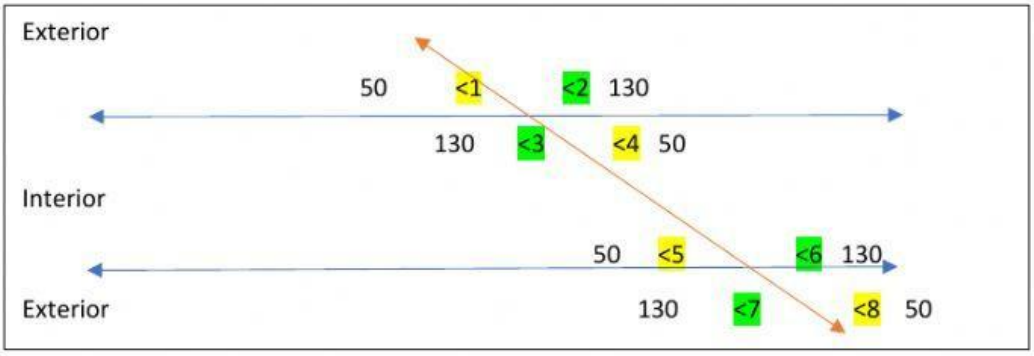
Parallel Lines and Transversals

Parallel lines cut by a transversal line create a unique set of angles. The angle relationships created are unique to each problem YET the same rules apply for ALL parallel and transversals.

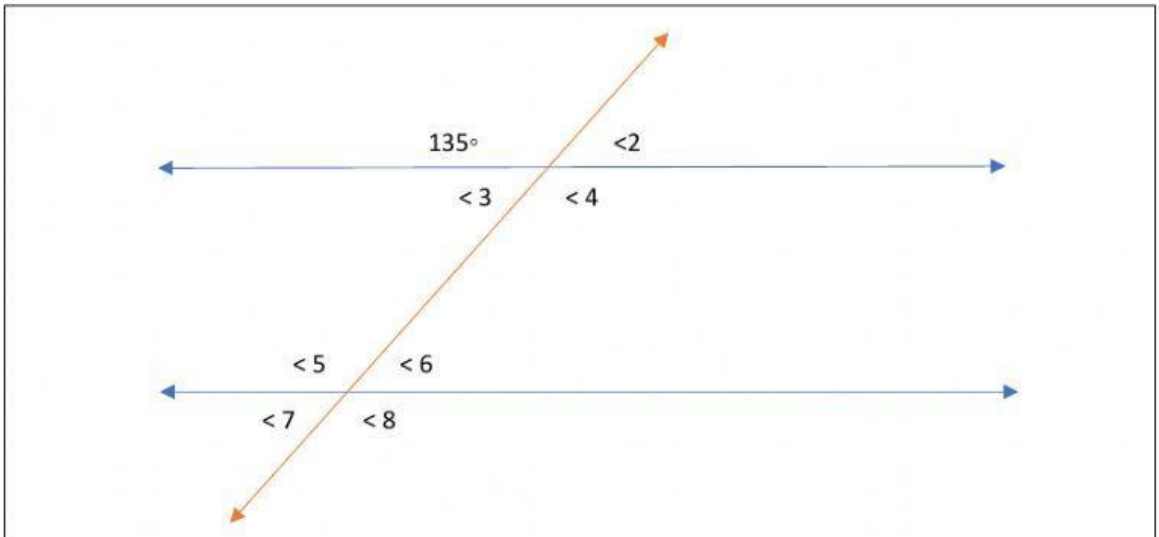
The angles created by these relationships can be congruent (EQUAL) or they can be Complimentary (Total of 90) or Supplemetary (Total of 180). If you know one of the angles created, then you can determine the others, given the type of relationship of the angles.

Remember that EVERY straight line is 180 degrees and that by the given angle, you can find the missing angle/angles.

Corresponding angles Supplementary Angles Linear Pairs Same Side interior Angles
Same Side Exterior Angles Alternate Interior Angles Alternate Exterior Angles



Given the angle, find the missing angles.



< 1 = 135 < 5 = _____

< 2 = _____ < 6 = _____

< 3 = _____ < 7 = _____

< 4 = _____ < 8 = _____