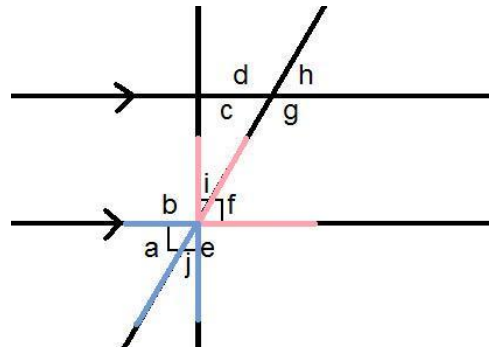
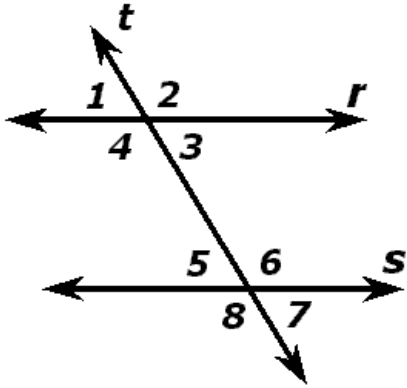


Harold's Geometry
"Cheat Sheet"
 26 November 2017

Parallel Lines with Transversals



Givens:

- Line r is parallel to line s.
- Line t transverses lines r and s.

Rule #	Rule	Angles
1	Corresponding angles are congruent (= alt. int. + vert.)	1&5, 2&6, 4&8, 3&7
2	Vertical angles are congruent	1&3, 2&4, 5&7, 6&8
3	Alternate interior angles are congruent	3&5, 4&6
4	Alternate exterior angles are congruent	1&7, 2&8
5	Supplementary angles add to 180°	1&2, 2&3, 3&4, 4&1, 5&6, 6&7, 7&8, 8&5
6	Complimentary angles add to 90°	a&j (blue), i&f (red)