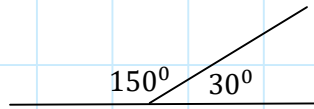


M9 - 10.1 - Lines/Angles/Parallel Review Notes

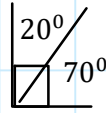
Supplementary



Angles on a line sum to 180°.

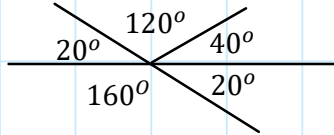
$$\angle 1 + \angle 2 = 180^\circ$$

Complementary



Angles sum to 90°.

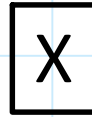
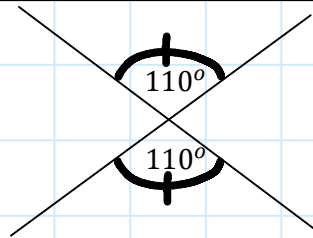
$$\angle 1 + \angle 2 = 90^\circ$$



∠'s on a point add to 360°

$$180^\circ + 180^\circ = 360^\circ$$

Opposite Angles are Equal.

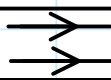


OPP ∠ 's =
 $\angle 1 = \angle 2$

Tick Equal Angles

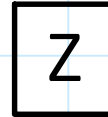
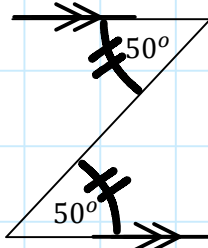


Parallel lines: Lines never touch



Tick/Double Arrow Parallel Lines

Alternate Interior Angles Equal.



Alt Int. ∠ 's =
 $\angle 1 = \angle 2$

Rotate the Page

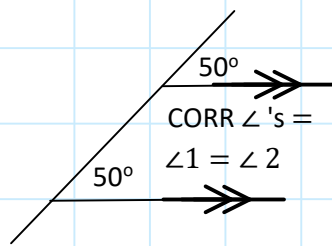
Double Tick Equal Angles

Alternate: Across a Transversal.

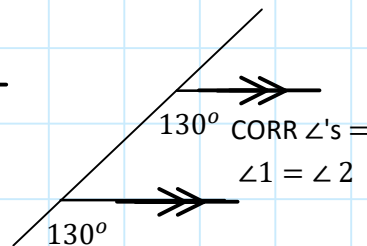
Interior: Inside Parallel Lines.

Transversal: a line through Parallel Lines.

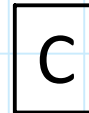
Corresponding Angles Equal.



CORR ∠ 's =
 $\angle 1 = \angle 2$

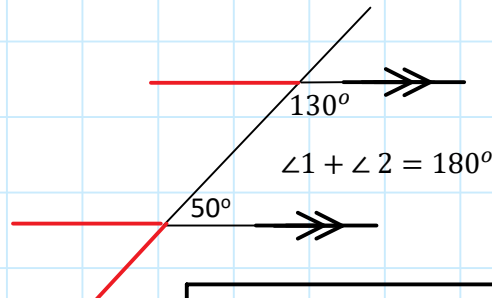


CORR ∠ 's =
 $\angle 1 = \angle 2$

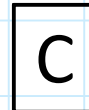


Co-Interiors ∠'s add to 180°

Co-Interior: Same side of a Transversal



$$\angle 1 + \angle 2 = 180^\circ$$



Extend the (Parallel/Transversal) Lines