Angles Pairs Formed By Transversals

Chapter 03

Geometry

A BowerPoint Presentation

What is a ***transversal***?

- A ***transversal*** is a line that intersects two (or more) coplanar lines at different points.

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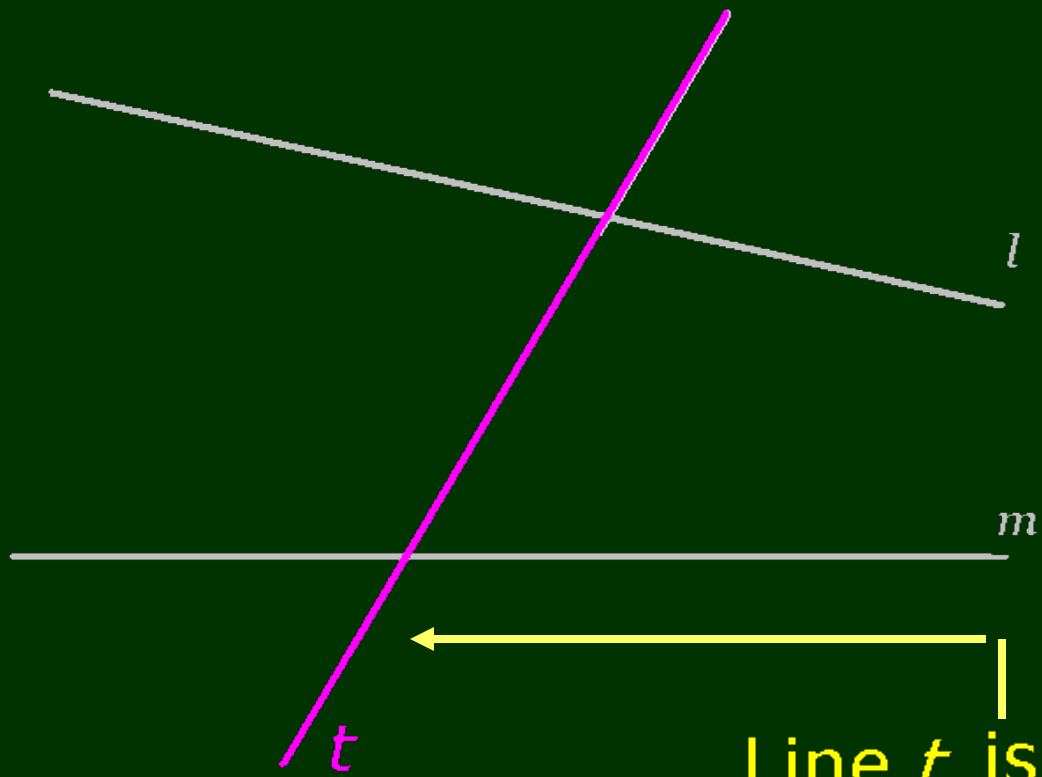
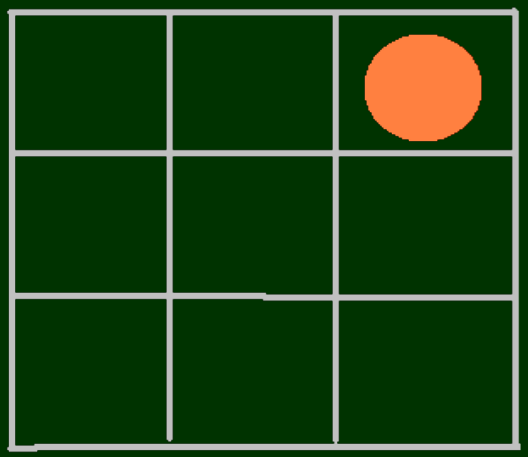
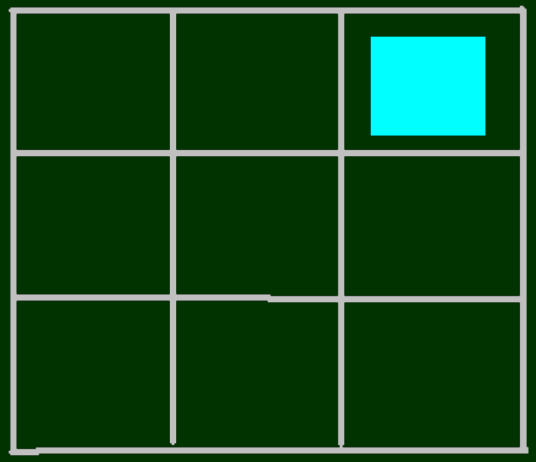


Corresponding ∠s

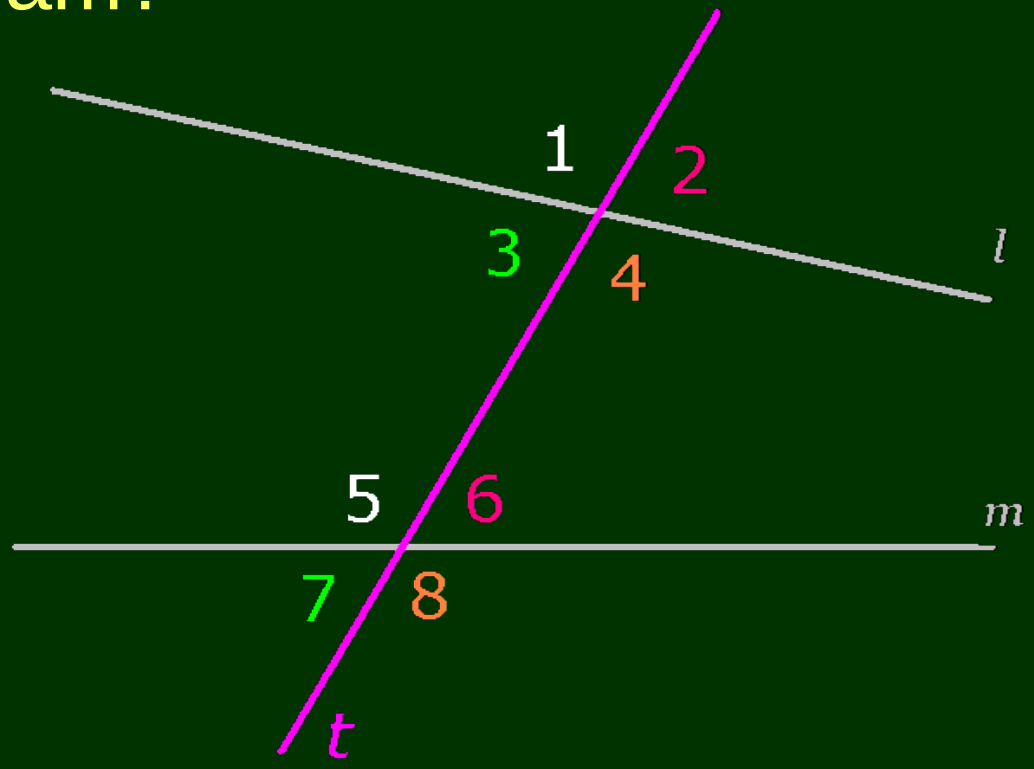
- Objects that are in ***corresponding*** positions are in the ***same*** positions
- The orange circle & the blue square are in corresponding positions (upper right)





Corresponding ∠s

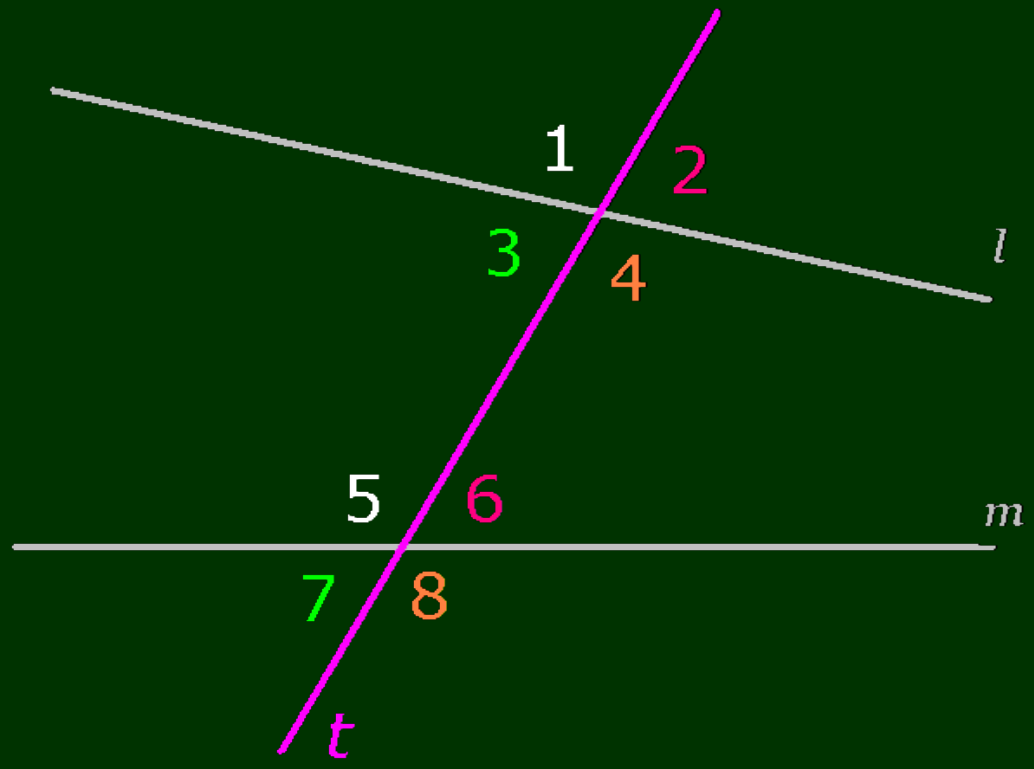
Corresponding ∠s are angles in the same position. What are the corr ∠s in this diagram?



Corresponding ∠s

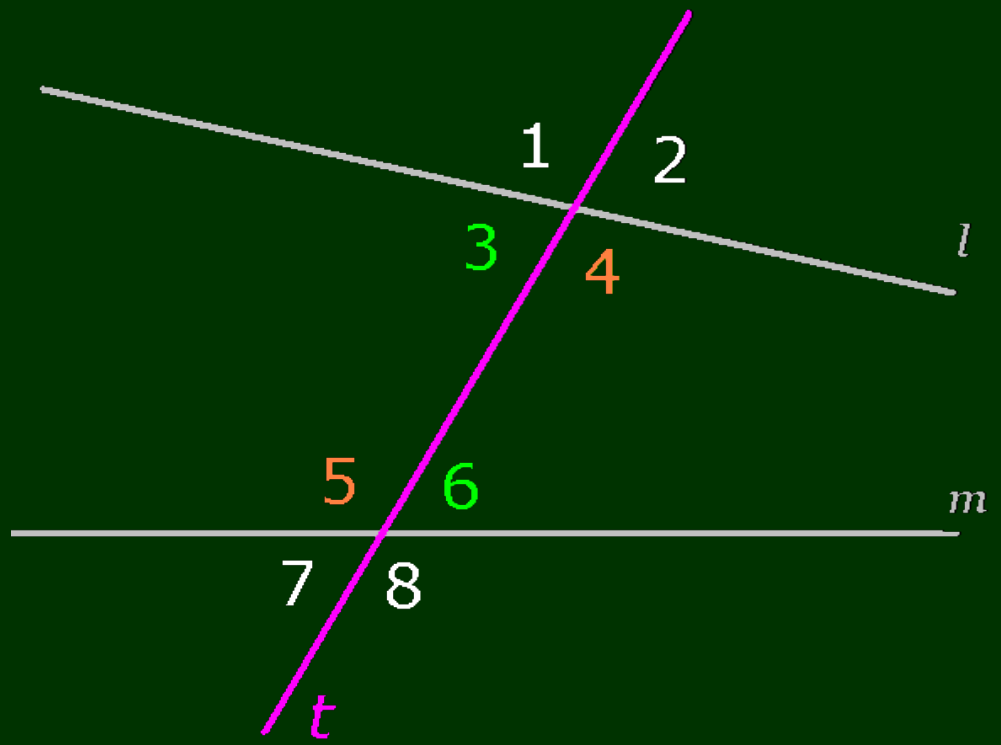
∠1 &∠5 ∠2 & ∠6 ∠3 &∠7 ∠4 &∠8

are corresponding ∠s



Alternate Interior ∠s

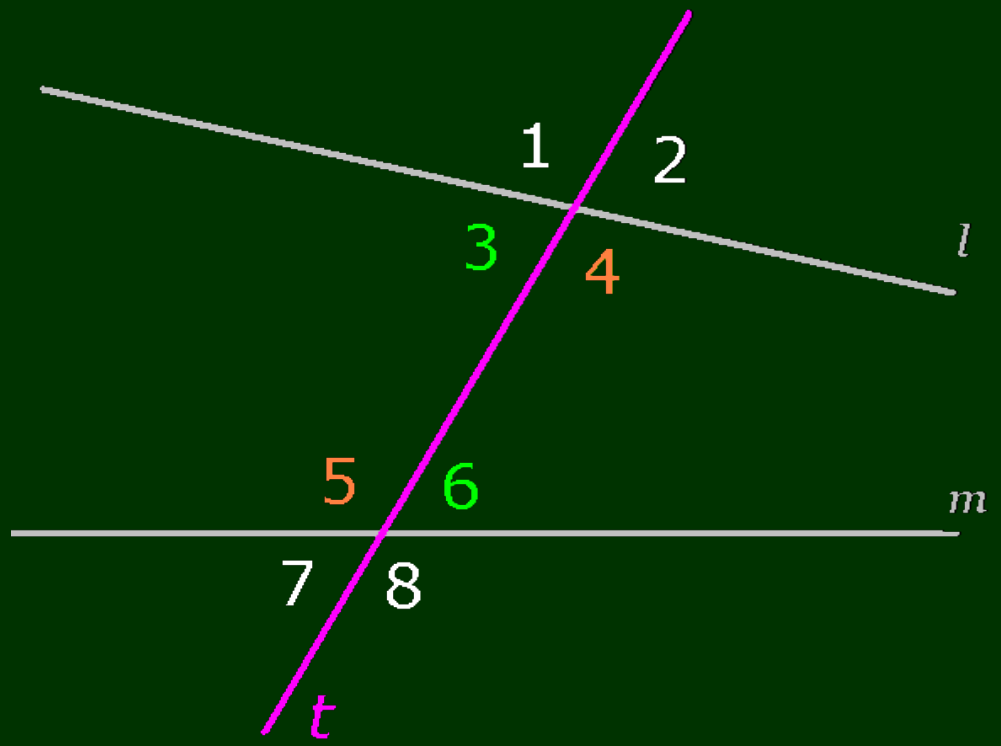
- Alternate interior ∠s are inside the crossed lines and in alternate positions. What are the alt int ∠s in this diagram?



Alternate Interior ∠s

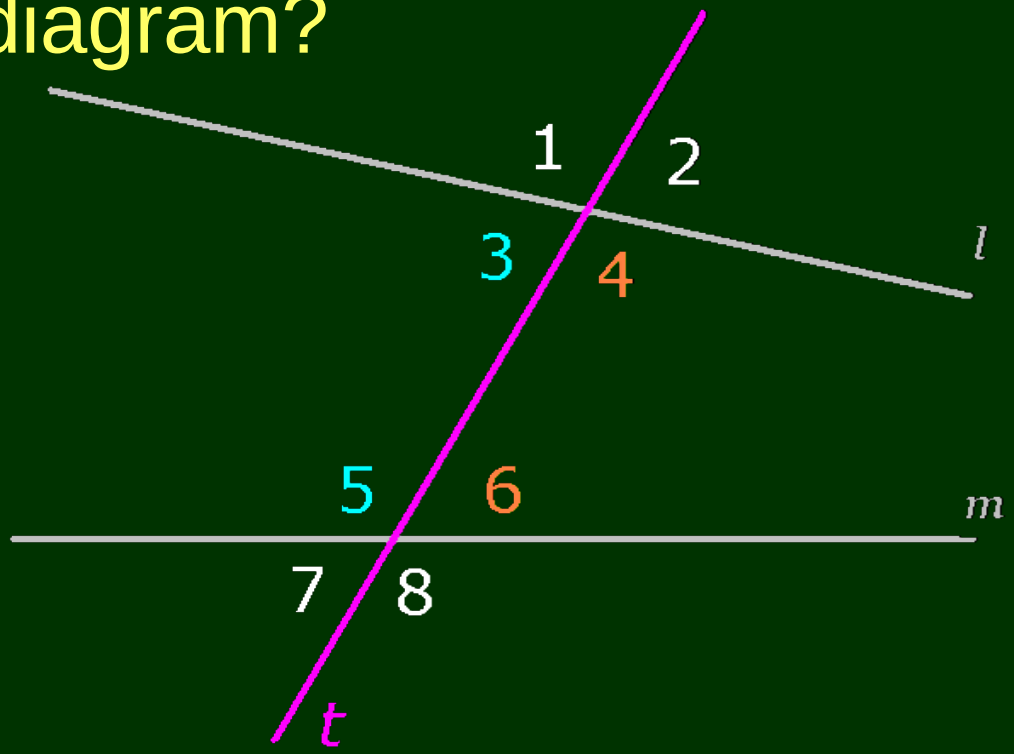
∠3 & ∠6 ∠4 & ∠5

are alt int ∠s



Same-Side Interior ∠s

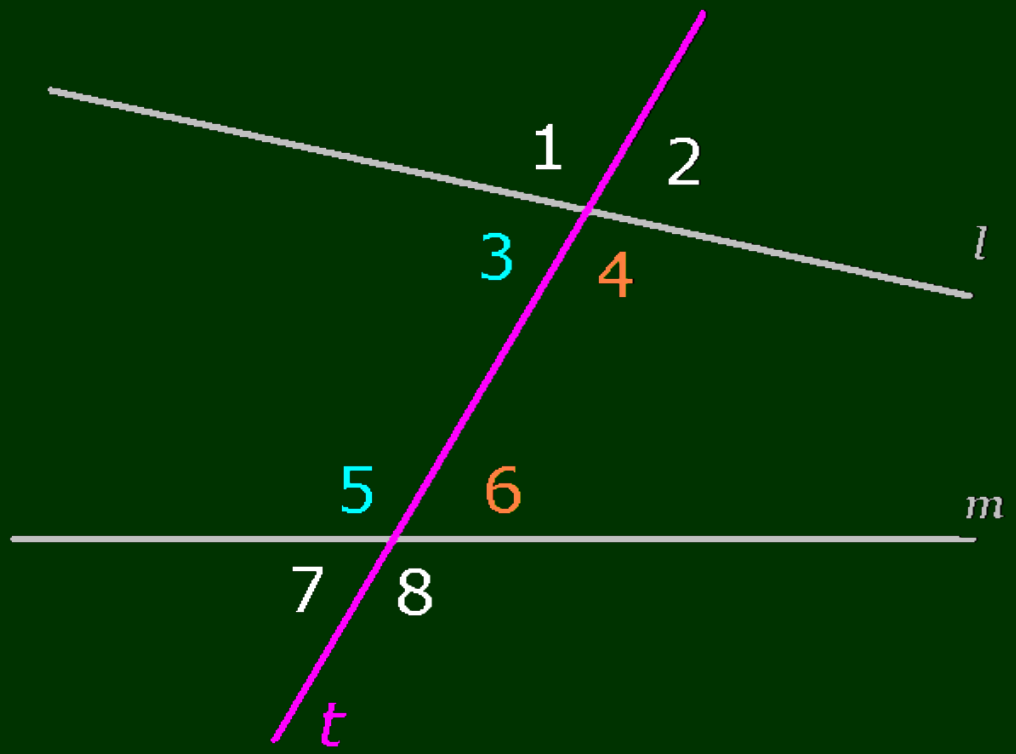
- Same-side interior ∠s are inside the crossed lines and on the same side of the transversal. What are the s-s int ∠s in this diagram?



Same-Side Interior ∠s

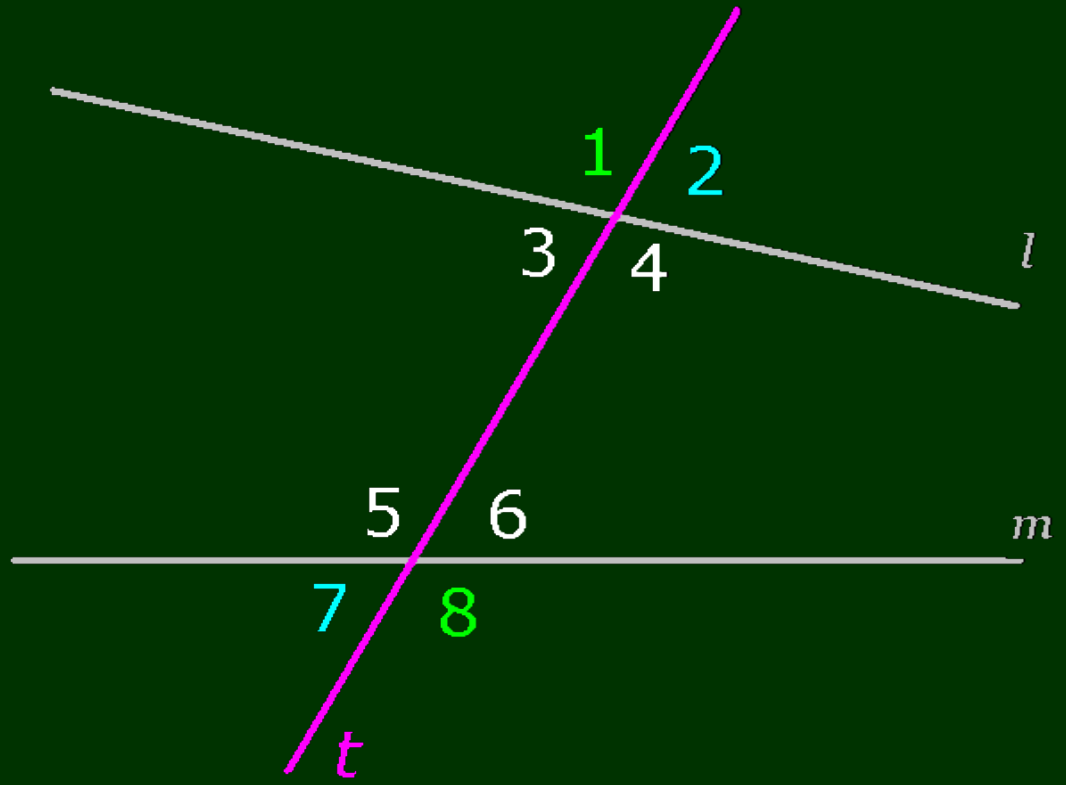
∠3 & ∠5 ∠4 & ∠6

are s-s int ∠s

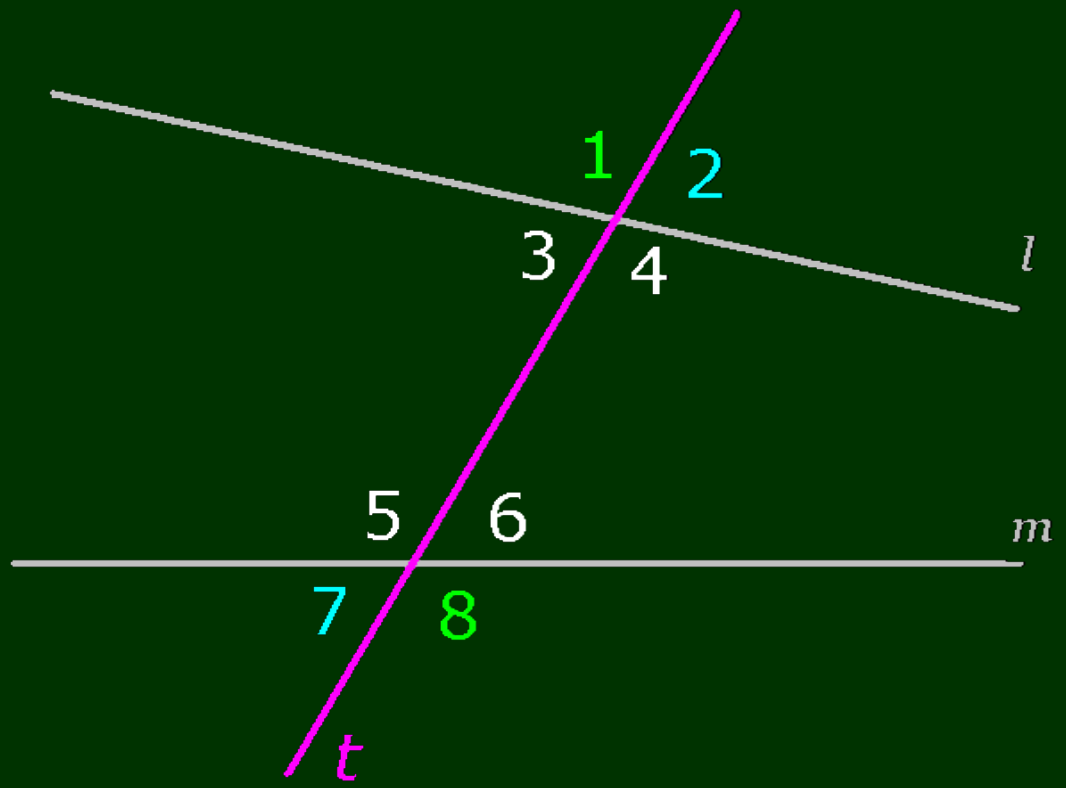


Alternate Exterior ∠ s

- Alternate exterior ∠ s are outside the crossed lines and in alternate positions. What are the alt ext ∠ s in this diagram?



Alternate Exterior ∠ s

∠1 & ∠8 ∠2 & ∠7

are alt ext ∠ s