Craigieburn Secondary College

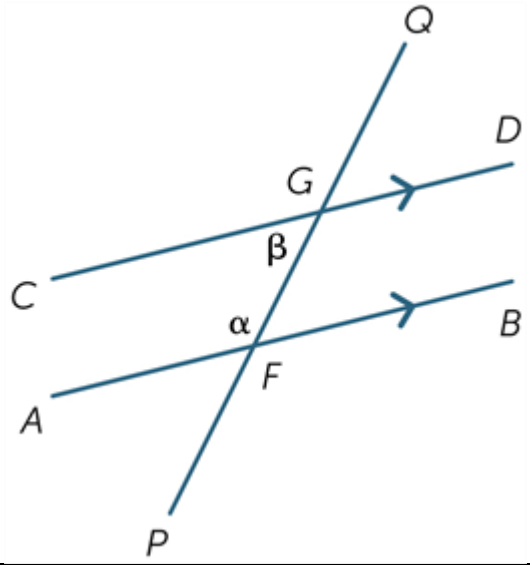
Best Practice #1 Conventions

AusVELS 7.0 Students will be able to identify corresponding alternate and co-interior angles when two straight lines are crossed by a transversal.

Naming Angles:

Use the letters labelled on parallel lines
Order the letters in alphabetical order

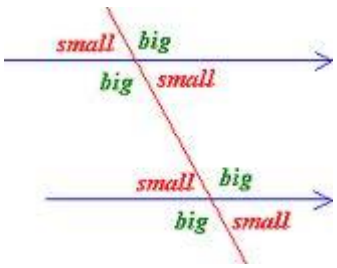
Eg.
∠CGP + ∠AFQ = 180°

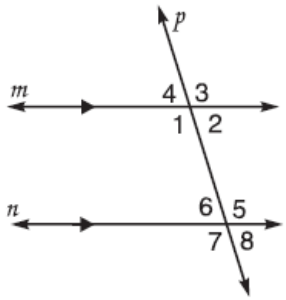


Transversals and Corresponding Angles

If two parallel lines are cut by a transversal, then the following pairs of angles are congruent:
Corresponding angles
Alternate interior angles
Alternate exterior angles

Remember to look for angles of the same size if equal:





Type of Angle	Property	Example
Vertically Opposite Angles	Are equal	∠4 & ∠2 ∠3 & ∠1 ∠6 & ∠8 ∠5 & ∠7
Corresponding Angles	Are equal	∠1 & ∠7 ∠2 & ∠8 ∠4 &∠6 ∠3 &∠5
Alternate interior angles	Are equal	∠1 & ∠5 ∠2 & ∠6
Alternate exterior angles	Are equal	∠4 & ∠8 ∠3 & ∠7
Supplementary Angles	Add to 180°	∠3 & ∠4 ∠1 & ∠2 ∠5 & ∠6 ∠7 & ∠8
Co-interior Angles	Add to 180°	∠1 & ∠6 ∠2 & ∠5

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