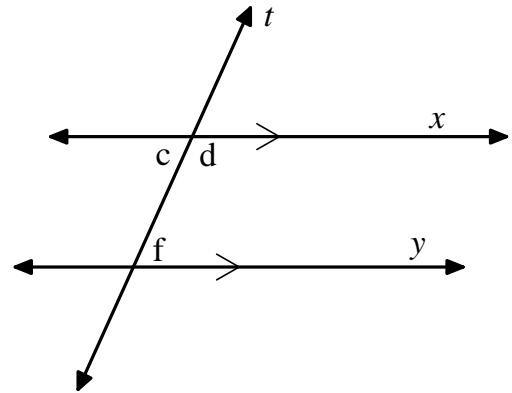


Common Core Geometry Proof – Lines and Angles_2
Alternate Interior Angles

Theorem: If two parallel lines are cut by a transversal, then the alternate interior angles formed are congruent.

Given: $x \parallel y$ cut by transversal t

Diagram:



Prove: $\angle c \cong \angle f$

Statements	Reasons