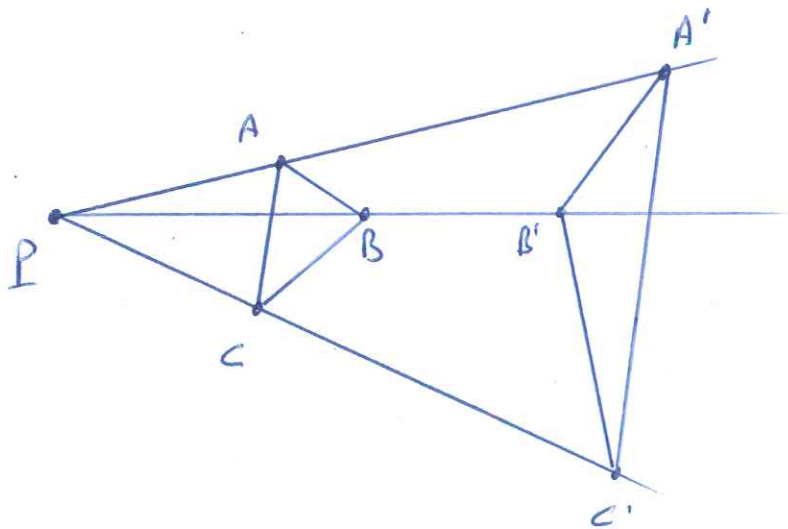


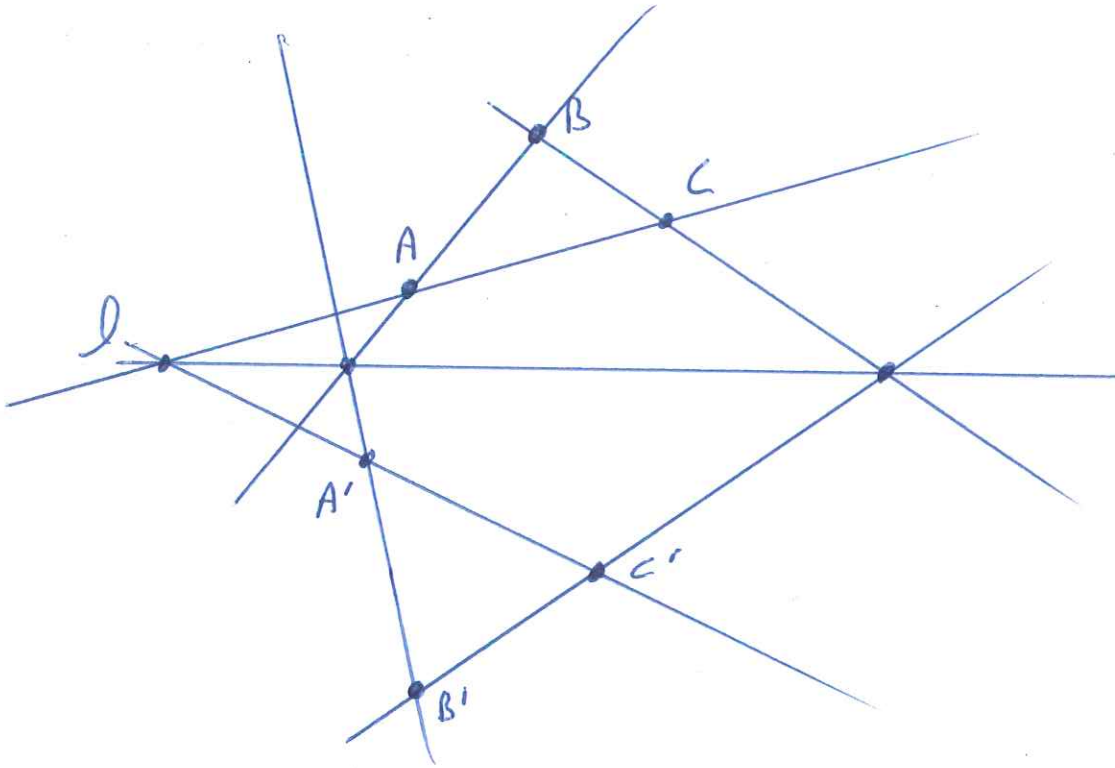
Perspectivity

Def: 2 triangles are perspective w.r.t. a point if the lines joining corresponding vertices^a meet at a point



useful in 3-d
for representing objects in a plane,
e.g. paintings & pictures

Def: 2 triangles are perspective w.r.t. a line
if the intersection pts of corresponding
sides all lie on a line



Desargues' Thm

2 triangles are perspective w.r.t. a line
 \Leftrightarrow they are perspective w.r.t. a point

Pf: requires 3-d! (see text)