

Exercise 2: Planes

Choose one of the three following options.

A. Fold exercise 1A twice

1. Use a new sheet for this drawing
2. Either reconstruct the drawing, or transfer the information using a divider
3. Use one edge-view ramp plane in the vertical projection, and one in the horizontal projection
4. Make (new) paper models of the original and resulting folded object

B. Intersect several particular oblique planes

1. Create two adjoining oblique plane figures and find their true shapes
2. Define the planes in which these plane figures sit
3. Find the intersection of these two planes
4. Introduce a third oblique plane with each of the first two plane figures
5. Trace the intersection lines into the two true shape projections of your plane figures
6. Make two paper models of the adjoining plane figures with the inscribed intersection lines

C. Using two oblique plane figures developed in 1A, re-orient the planes of projection to find the dihedral angle between the two planes

1. Be prepared to explain this premise to the class

MIT OpenCourseWare
<http://ocw.mit.edu>

4.105 Geometric Disciplines and Architecture Skills: Reciprocal Methodologies
Fall 2012

For information about citing these materials or our Terms of Use, visit: <http://ocw.mit.edu/terms>.