

Portofolio 2 is taken from

Math 445 Lab 4 on Dr. Whatif's Euclidean Geometry

(from M. Sved's *Journey into Geometries*)

The portfolio is somewhat shorter and slightly different from the instructions in the lab, but the constructions are parallel with those of the lab, so reading the lab 4 instructions will provide help if needed.

You have a choice between doing the portfolio on paper with straightedge and compass and doing it with GSP. In the latter case, the figures should be saved in this file and brought to lab Wednesday 2/2 for inspection. The GSP figures should be dynamic.

The portfolio does not ask for tools, just figures, but you are free to make and use tools.

Also please note: if you do the figures with GSP, you still should be able to construct them on paper during a test.

Part A-3. Construct D-triangle ABC.

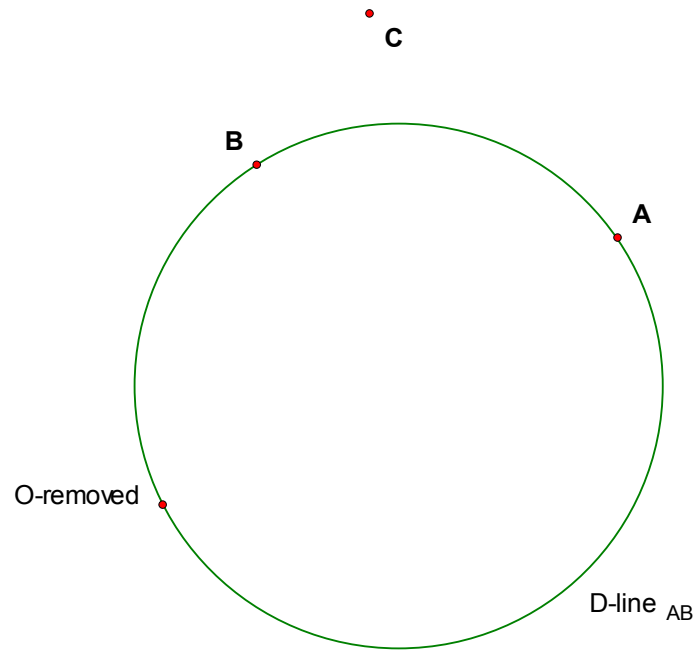
B

C

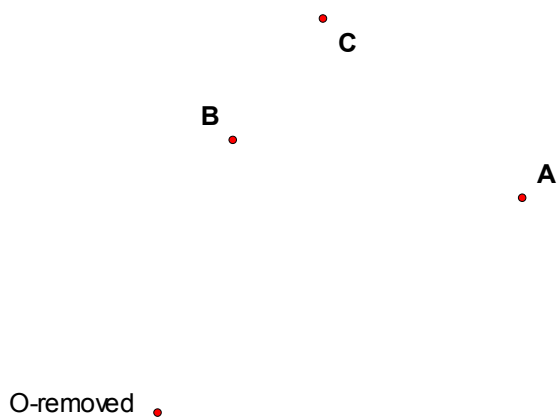
A

O-removed

Part A-4. Construct D-line through C perpendicular (orthogonal) to D-line AB.



Part A-5. Construct a D-parallelogram ABCD from the given points A, B, C.



Part B. Construct the D-perpendicular bisector of AB and also the midpoint.

B

A

O-removed

Part C. Construct the D-circle through B with D-center at A.

B



A



O-removed



Part D1. Construct an equilateral D-triangle ABC starting from points A and B.

B

A

O-removed



Part D1. Construct an equilateral D-triangle ABC starting from points A and B.

B

A

O-removed



