Rules for the final test:
2. There will be 8 problems; you will have 120 minutes to solve them.

Material to be covered:
II–I36, I38–I40.
C1–C8, C15–C21
P1–P11, P13, P15, P16, although the exam will not cover the 3-dimensional space.

Here is the more detailed list of subjects, although some minor subjects are omitted in the list:

1. From I-sections:
   
   Concurrence theorems for triangles, relation between inscribed and central angle in the circle, chords in a circle and their properties, degree and trigonometry, sine and cosine law with application to area. Definition of the cross-ratio.
   
   Regular polygons and inscribed/circumscribed circles for polygons.
   
   Definition of lines and angles on the sphere and on the hyperbolic plane. Excess/deficit formulae for areas of triangles (without proofs). Why 5-th postulate (existence and uniqueness of a line parallel to the given one and passing through the given point) fails for these geometries.

2. From P-sections:
   Distances on the line, classification of motions of the line.
   
   Distances in the plane, motions of the plane and their classification ($e^{i\alpha}z + t$, $e^{i\alpha}z' + t$), how to find motions which move given pair of points to another pair of points.
   
   Triangle inequality (in the plane only): You can follow either proofs from the textbook or from the notes.
   
   Lines in the plane, parallel lines, existence and uniqueness of a line through two distinct points, uniqueness and existence of a line parallel to the given line and passing through the given point.

3. From C-sections:
   Copying triangles and angles, drawing parallels and perpendiculars, drawing side and angle bisectors, adding, subtracting and multiplying numbers via compass and ruler. Computing $\sqrt{x}$ via compass and ruler. Constructing parallelograms, equilateral triangles and squares. Constructing a circle through given three points.
   
   Explain your constructions: what and how you do!