



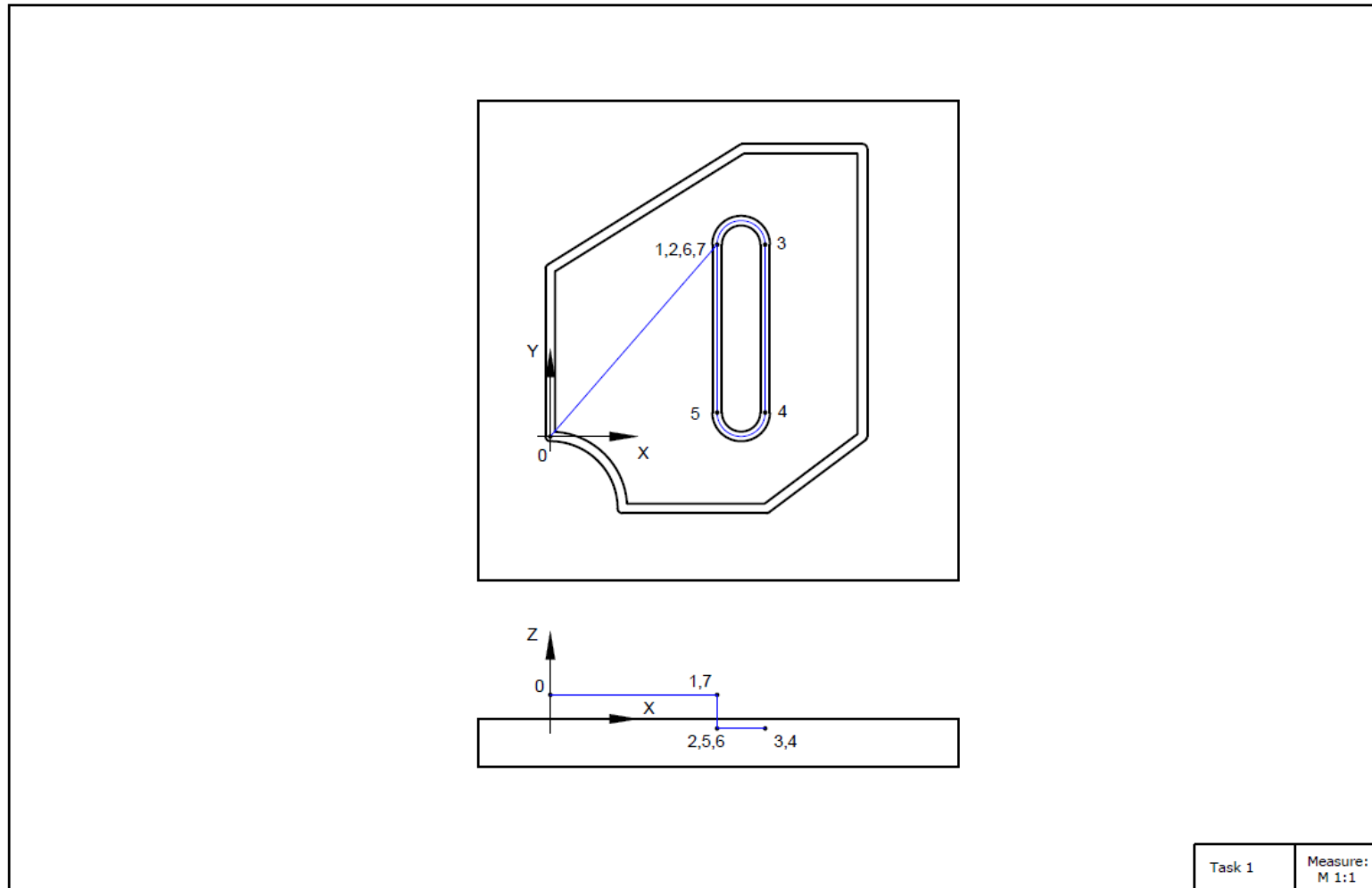
Field of education:
Mechanical engineering

Professional qualification:
CNC operator

Exercise:
**Programming of CNC machine
(solution)**

Variant:
Task 23 – Support plate 2.3.

Solution:



Required written code that should be inserted into the control unit:

G0 X34,742 Y40

G1 Z-2

G2 X44,742 R5

G1 Y5

G2 X34,742 R5

G1 Y40

Z5

M30

Explanation of the G-code:

%Setting the coordinate system x=0, y=0, z=5; point 0

G0 X34,742 Y40 %Positioning at the starting point; point 1

G1 Z-2 %Tool entry into material; point 2

G2 X44,742 R5 %Radial milling; point 3

G1 Y5 %Straight milling; point 4

G2 X34,742 R5 %Radial milling; point 5

G1 Y40 %Straight milling; point 6

Z5 %Lifting of tool; point 7

M30 %End of program