

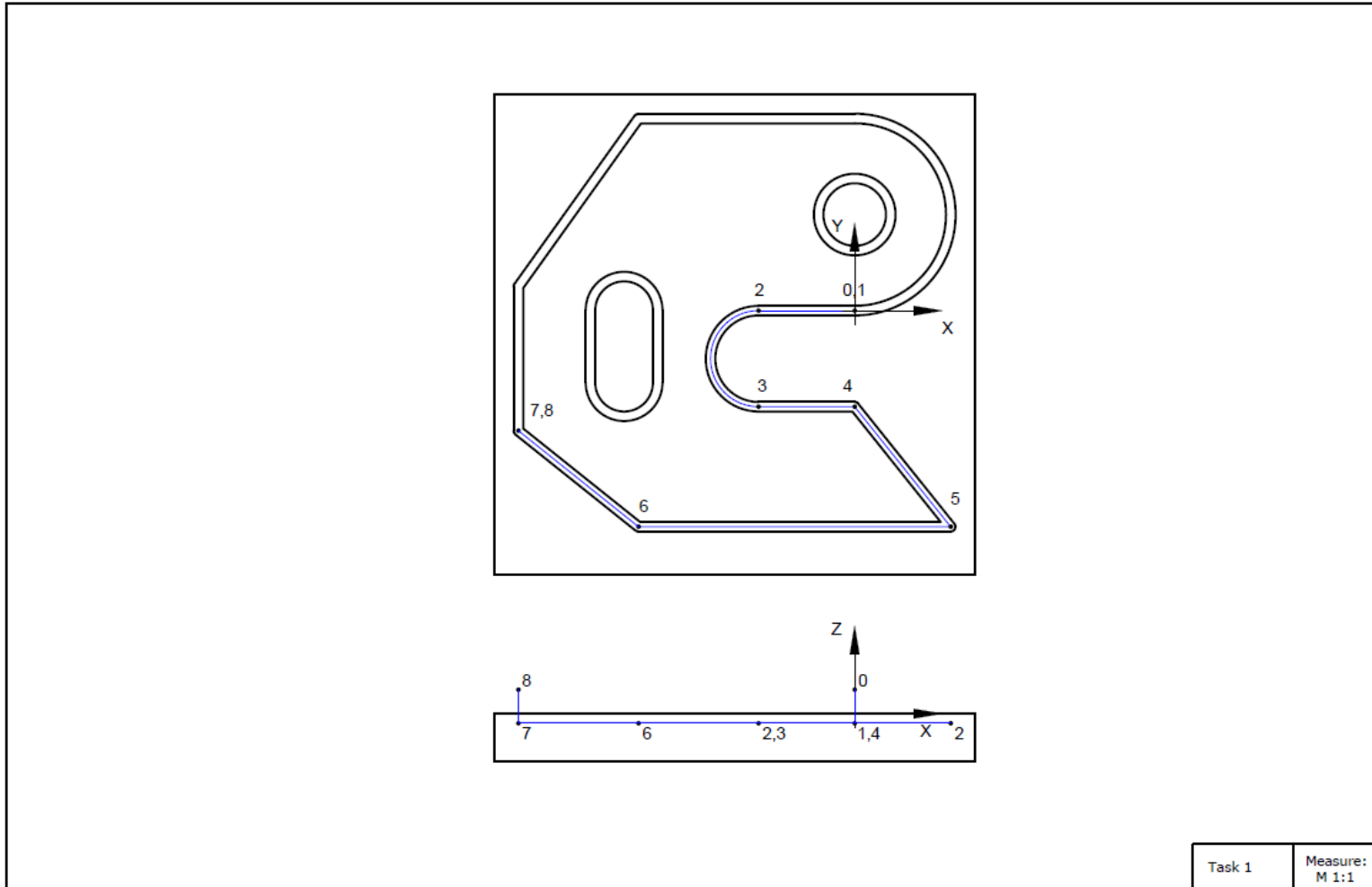
Field of education:
Mechanical engineering

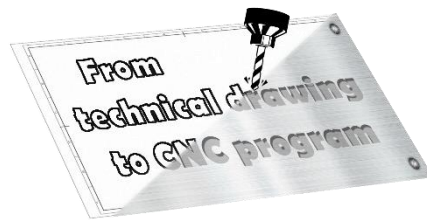
Professional qualification:
CNC operator

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

Variant:
Task 19 – Support plate 1.2.

Solution:





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

G1 Z-5

Y-20

G3 X-20 R10

G1 X0

X20 Y-45

X-45

X-70 Y-25

Z5

M30

Explanation of the G-code:

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

G1 Z-5 %Tool entry into material; point 1

Y-20 %Straight milling; point 2

G3 X-20 R10 %Radial milling; point 3

G1 X0 %Straight milling; point 4

X20 Y-45 %Straight milling; point 5

X-45 %Straight milling; point 6

X-70 Y-25 %Straight milling; point 7

Z5 %Lifting of tool; point 8

M30 %End of program