

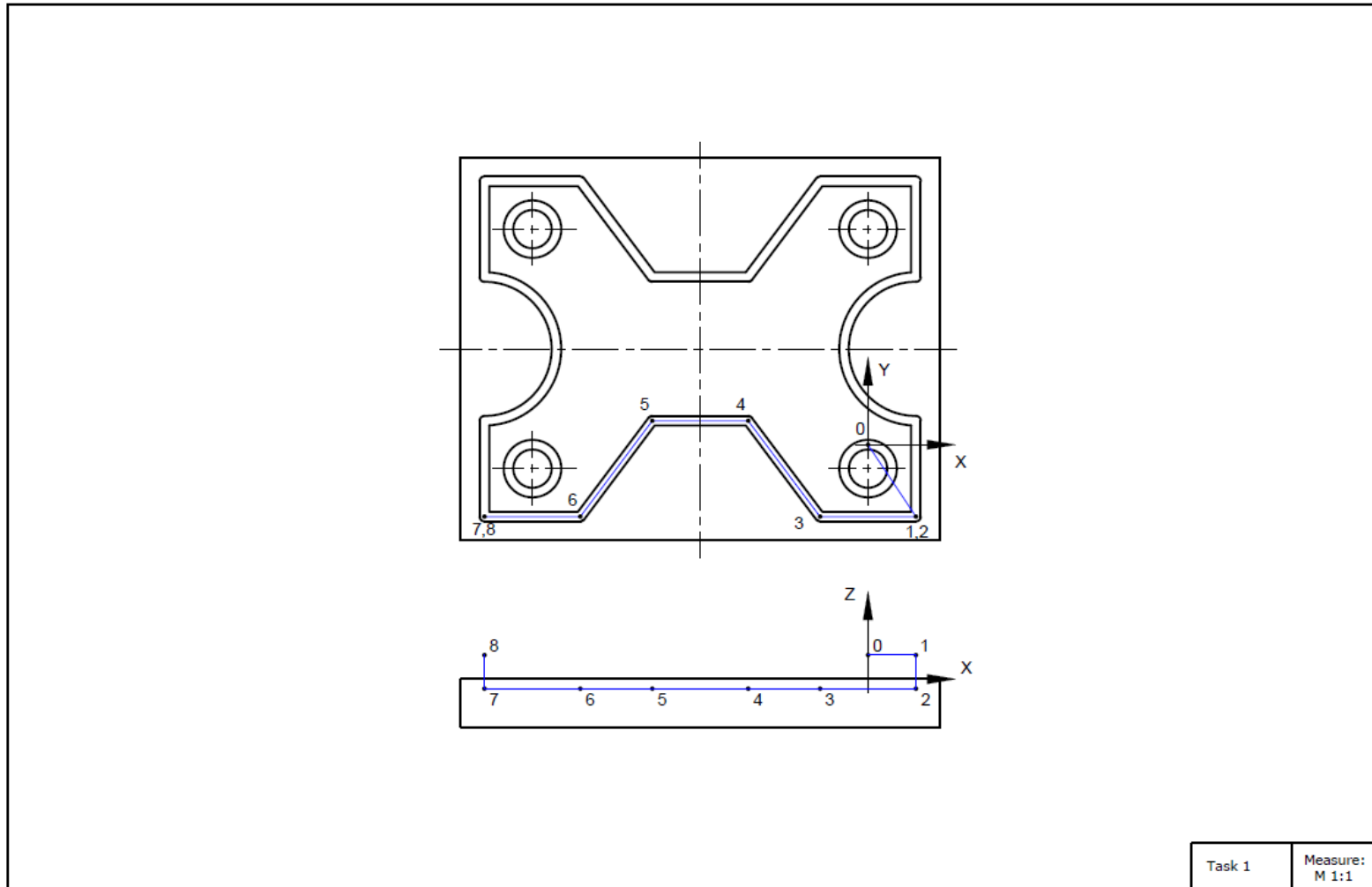
Field of education:  
**Mechanical engineering**

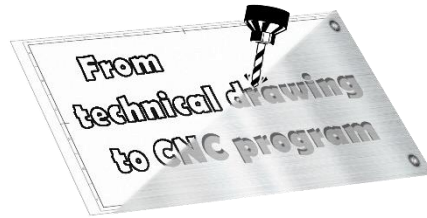
Professional qualification:  
**CNC operator**

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

Variant:  
Task 29 – Support plate 4.4.

Solution:





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

G0 X-10 Y-15

G1 Z-2

X-10

X-25 Y5

X-45

X-60 Y-15

X-80

Z5

M30

**Explanation of the G-code:**

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

G0 X-10 Y-15 %Positioning at the starting point; point 1

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

X-10 %Straight milling; point 3

X-25 Y5 %Straight milling; point 4

X-45 %Straight milling; point 5

X-60 Y-15 %Straight milling; point 6

X-80 %Straight milling; point 7

Z5 %Lifting of tool; point 8

M30 %End of program