

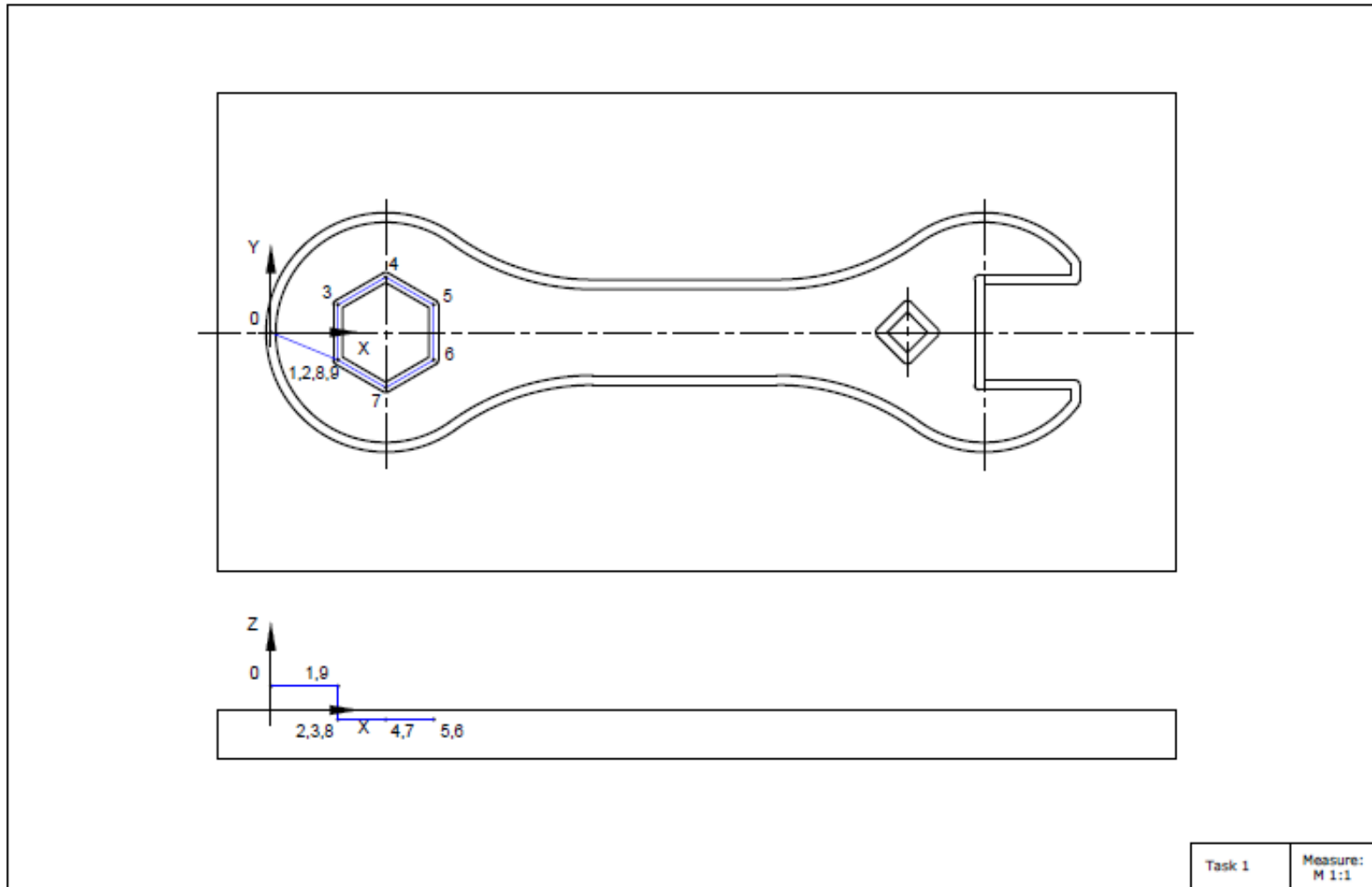
Field of education:
Mechanical engineering

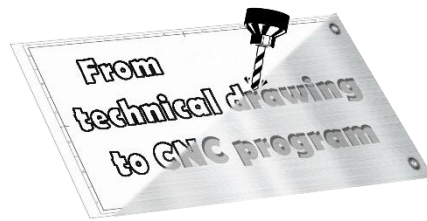
Professional qualification:
CNC operator

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

Variant:
Task 10 – Wrench 3.4.

Solution:





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

G0 X14 Y-5,774

G1 Z-2

Y5,774

X24 Y11,547

X34 Y5,774

Y-5,774

X24 Y-11,547

X14 Y-5,774

Z5

M30

Explanation of the G-code:

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

G0 X14 Y-5,774 %Positioning at the starting point; point 1

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

Y5,774 %Straight milling; point 3

X24 Y11,547 %Straight milling; point 4

X34 Y5,774 %Straight milling; point 5

Y-5,774 %Straight milling; point 6

X24 Y-11,547 %Straight milling; point 7

X14 Y-5,774 %Straight milling; point 8

Z5 %Lifting of tool; point 9

M30 %End of program