



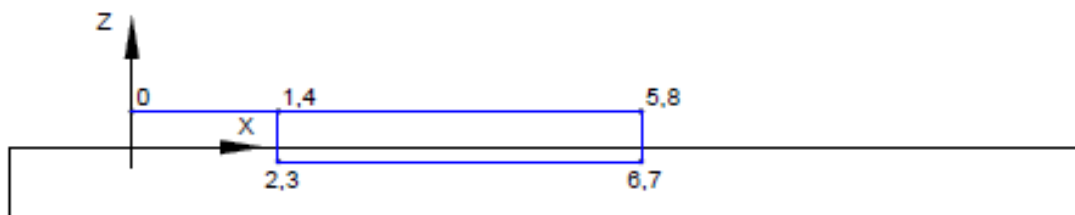
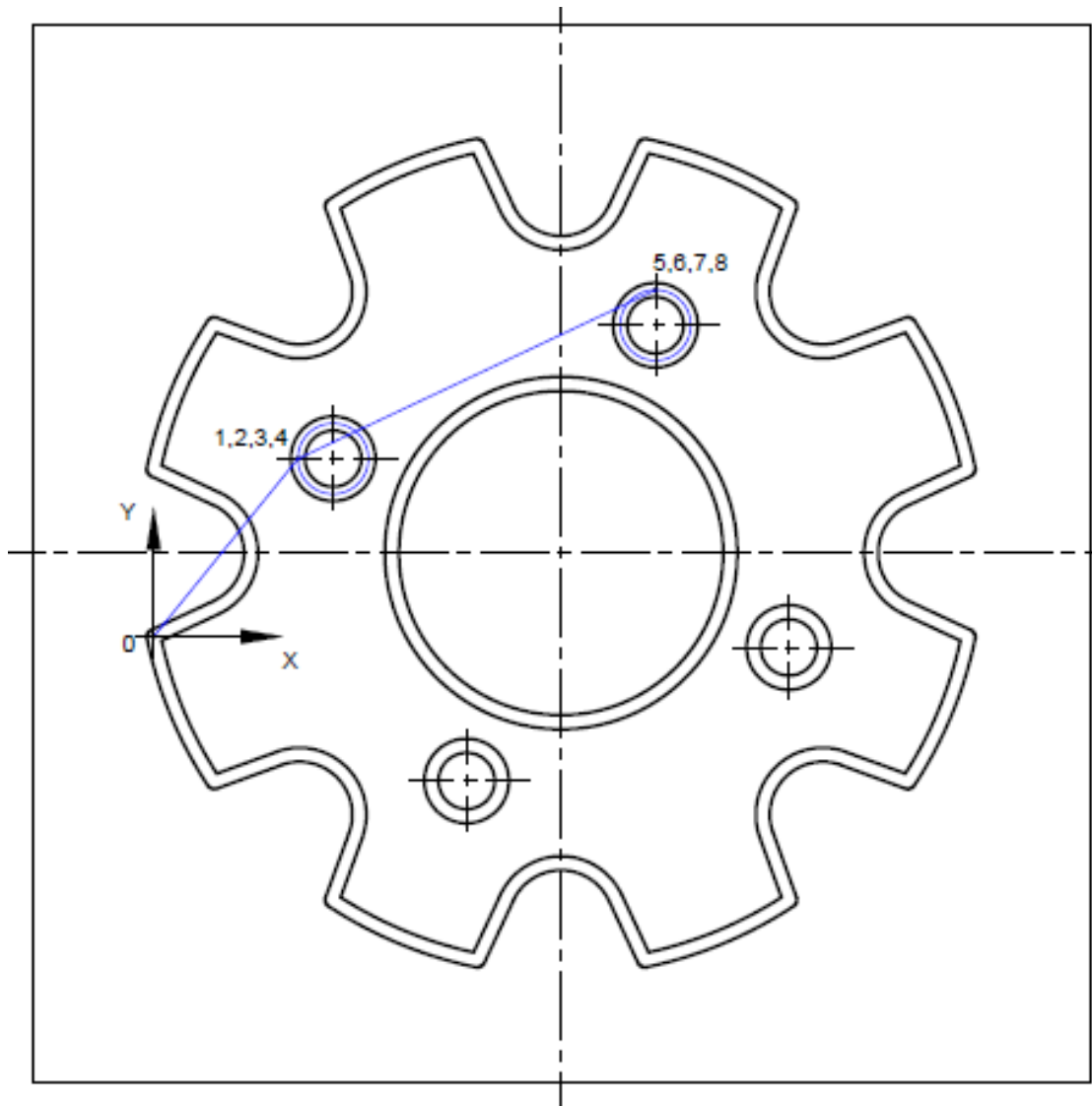
Field of education:
Mechanical engineering

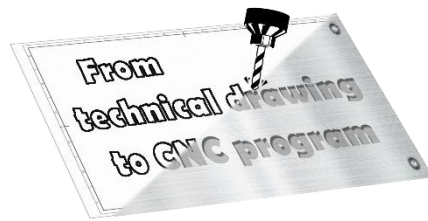
Professional qualification:
CNC operator

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

Variant:
Task 52 – Sprocket 3.5.

Solution:





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

G0 X20,462 Y25,243

G1 Z-2

G2 X20,462 Y25,243 I5 J0

G1 Z5

G0 X71,192 Y49,185

G1 Z-2

G3 X71,192 Y49,185 I0 J-5

G1 Z5

M30

Explanation of the G-code:

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

G0 X20,462 Y25,243 %Positioning at the starting point; point 1

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

G2 X20,462 Y25,243 I5 J0 %Circle milling; point 3

G1 Z5 %Lifting of tool; point 4

G0 X71,192 Y49,185 %Positioning; point 5

G1 Z-2 %Tool entry into material; point 6

G3 X71,192 Y49,185 I0 J-5 %Circle milling; point 7

G1 Z5 %Lifting of tool; point 8

M30 %End of program