Name-Surname:
Student No: **Class:** **Grade:**

MAT435 **Computer Aided Geometric Design**

Quiz 4

23.12.2003

YOU must write GOOD Mathematics, clearly explaining each step of your proof. Otherwise, no objection will be accepted!

1. Given the function $f(x) = \dfrac{1}{1+x^2}$. Use **Aitken's algorithm** to interpolate the function at 3 equidistant knots of the interval $[-1, 1]$.

2. Given an nth degree Bézier curve $\mathsf{P}(t)$ where $t \in [0, 1]$. Define the functional form of $\mathsf{P}(x)$ for $x \in [a, b]$.