**Homework-4 for Math 431       Due Date: 22 April 2022 Friday**

Let $f \in k[x_0, \ldots, x_n]$ be irreducible homogeneous polynomials. Show that $\mathbb{A}^n - Z(f)$ is affine, i.e. isomorphic to $\mathbb{A}^n$.

Write your solutions on A4 papers and staple them together. Do not use other fancy covers!

Thank you.