Introduction to Commutative Algebra and algebraic Geometry
Presence Exercise to Sheet 12

Exercise 1.
Let K be an algebraically closed field. Let X be an affine variety.
Prove: There is a canonical bijection $\mathrm{Mor}(X, K^n) \to O(X)^n$, $\varphi \mapsto (\varphi_1, \ldots, \varphi_n)$.