1161-34-4 **Paul W Eloe*** (peloe1@udayton.edu) and Johnny Henderson. Two-point boundary value problems for ordinary differential equations, uniqueness implies existence.

We consider a family of two-point boundary value problems for higher order nonlinear ordinary differential equations and obtain conditions in terms of uniqueness of solutions that imply existence of solutions. A standard hypothesis that has proved effective in uniqueness implies existence type results is to assume uniqueness of solutions of a large family of n point boundary value problems. Here, we shall replace that standard hypothesis with one in which we assume uniqueness of solutions of a large family of two-point boundary value problems. We then obtain readily verifiable conditions on the nonlinear term that in fact imply the uniqueness of solutions of the large family of two-point boundary value problems. (Received June 25, 2020)