Worksheet 36: Last day of lecture!

1. Let $K$ be a splitting field for the polynomial $x^{p^{n}}-x$ over $\mathbb{F}_{p}$. Show that the roots of $x^{p^{n}}-x$ in $K$ form a subfield of $K$, and hence are all of $K$.
2. Any questions about the final exam? Any suggestions about what might help your review process?
