

GALOIS THEORY 2019: HW 4 Feedback

For assessment: Problems 1, 2, 3

Due by noon Tuesday, week 9 of the term

Overall, this was mostly very well done. There were occasional problems on the later parts of #3, in regard to presenting the arguments clearly. The other few remarks I have are as follows.

1. You need to make sure you apply a map to things in its domain, so in Galois Theory you sometimes need to extend a homomorphism (see Theorems 3.2 and 4.5).
3. Remember that to be a K -homomorphism, the map must fix each element of K , not just K as a set.