

MATH 121 PROBLEM SET 4

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This set is due at noon on Friday February 23 in Jason Lo's mailbox.

1. *Biquadratic extensions*. Dummit and Foote page 562, problem 15.
2. *Norms of Galois extensions*. Dummit and Foote page 563, problem 17.
3. *Galois groups of function fields*. Dummit and Foote page 565, problem 30. (You'll have to read problem 29, which was discussed in class.)
4. *Newton's formulas for power sums*. Dummit and Foote, page 599, problem 22.

Date: Thursday, February 15, 2007.