

HOMEWORK 1 - DUE WEDNESDAY, FEB. 4 2004

Dummit & Foote

p. 434 - p. 435 # 1, 2, 3, 4, 5, 6, 8, 13, 14

Also, prove that if E, F are vector spaces over a field k , then

$$\text{End}_k(E) \otimes_k \text{End}_k(F) = \text{End}_k(E \otimes_k F)$$