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Homework 7  
Due: Friday, March 3

1. [GW]4.12.
2. [GW] 4.20.
3. [GW] 4.21. (HINT: *See homework 3 from 672.*)
4. [GW]5.3. (HINT: *The symbol  $K \times k$  really does mean  $K \times k \cong K \oplus k$ , and not some sort of base change or tensor product.*)
5. [GW]5.6.