

## CORRECTIONS TO COURSE NOTES IN MATH 235, 2007

December 4, 2007

- (1) In the definition of a group, page 78. The second axiom should say  
“(2) There exists an element  $e \in G$  such that  $eg = ge = g$  for all  $g \in G$ . (Identity)”  
(The “ $= g$ ” is missing.)
- (2) Page 87, proof of Proposition 25.3. It says “Therefore,  $g_1g_2 \in H$ ”. It should say  
“Therefore,  $g_1g_2 \in \text{Ker}(f)$ ”.