Math 8201 **Homework 3** **PJW**
Date due: September 30, 2002

Hand in only the starred questions.

Section 2.3 15, 23*, 24, 26*

E. Show that the group $(\mathbb{Z}/11\mathbb{Z})^\times$, which was defined on page 17, is cyclic.
Section 2.4 6, 7*, 14cd*, 15*, 18, 19
Section 2.5 4, 8, 9b*, 15