## 546 Sunna 2001

Exan 3



PRINT Your Name:\_\_\_\_\_\_
There are 9 problems on 6 pages. The exam is worth 50 points.

1. (5 points) Define "generator". Use complete sentences.

The elevant of the crelic group G is a gentles of G it every elevant of G is estal to gm for some m & II.

2. (5 points) Define "centralizer". Use complete sentences.

If g is an element of the group G, then the centralizer of g is the set of all cleasers of G usich community go