# Reading Quiz §4

1. [1] Find an example of a cyclic group with infinite order.

2. [2] Identify 3 elements of $Z_{30}$ under addition modulo 30 that generate the group.

3. [2] Does the group $Z_{30}$ under addition modulo 30 have a subgroup that is *not* cyclic. If so, exhibit the noncyclic subgroup. If not, why not?