1. Find ord(4), ord(5) and ord(6) in $\mathbb{Z}_7^*$

2. (a) Show that $n-1 \in \mathbb{Z}_n^*$ for every n
   (b) What is ord$(n-1)$ in $\mathbb{Z}_n^*$?

3. For each group of units, list the elements and find a generator, if one exists
   (a) $\mathbb{Z}_5^*$
   (b) $\mathbb{Z}_9^*$
   (c) $\mathbb{Z}_8^*$
   (d) $\mathbb{Z}_{13}^*$
   (e) $\mathbb{Z}_{15}^*$
   (f) $\mathbb{Z}_{31}^*$