

PREP 12

Due: 11/21/2016

Reading. (BB) Read pages 152 – 156 (inclusive) in the textbook.

Exercises.

- (1) Prove that for any cyclic group G , there is an onto homomorphism $\varphi : \mathbb{Z} \rightarrow G$.
- (2) Describe all homomorphisms from \mathbb{Z}_4 to \mathbb{Z}_{12} .