

Homework (Spring 2015) # 2

Due ???

Hand-in

2.2: 2.28, 2.29(ii), 2.31

3.1: 3.11, 3.12,

Let $R = \mathbb{Z}/p^n\mathbb{Z}$, where p is a prime number. Show that R is injective as a module over itself.

Additional

2.2: 2.38

3.1: 3.5

3.2: 3.14