

Problem Set 1

From “Dummit & Foote”

Chapter 0: pg 12 ex 15

Calculate $\varphi(3)$, $\varphi(27)$, $\varphi(36)$, where φ is the Euler φ -function

Chapter 1:

1.1: pg 21 ex 1,2,6,8,16,17,20,25

1.2: pg 27 ex 1a,b , 8, 14

1.3: pg 33 ex 1, 4, 5, 14, 16