

1. Ex. 4.3 # 2, 4, 9, 10 (by cases), 14(c) (using successive division algorithm), 16(c).
2. Ex. 4.4 # 1(c) (using Euclidean Algorithm), 5, 7, 8, 10, 12, 13.
3. Prove that for any positive integers  $a$ ,  $b$  and  $c$ , if  $a$  and  $c$  are relatively prime and  $b|c$  then  $a$  and  $b$  are also relatively prime.