

1. Chapter 4.1. 1a (skip the computer part), 2,3,5,6,9. Also Suppose that  $f(x)$  is  $C^1$ ,  $f(0) = 0$  and  $f'(0) \neq 0$ . Express  $\delta(f(x))$  in terms of  $\delta(x)$ .
2. Chapter 4.2. 1,2,3,4,7.
3. Chapter 4.3 1,3,5,9,10