

**MATH 185-04: Complex Analysis**

Homework #8

*Due April 11, 2014*

1. Exercise V.7.1(a)(d)(e)(h)
2. Exercise V.7.2 for (a)(d)(e)(h)
3. Exercise VI.1.1
4. Exercise VI.1.4 (Recall that a function is even if  $f(z) = f(-z)$  and odd if  $f(-z) = -f(z)$ .)
5. Exercise VI.2.1(e)(f)(h)
6. Exercise VI.2.5 – Skip the part about giving a second proof using Morera's theorem
7. (SKIP)