

COMP 410: Fall 2009

Home Work – 2.

Handed out on **September 14**

Not to be turned in

Qn 1. Answer the following questions from Chapter 2 of the text:

- 2.1
- 2.6
- 2.7 (1), (5), and (6)
- 2.14 (c)

Qn 2. Solve the following recurrence:

$$\begin{aligned}T(1) &= c_1 \\T(N) &= T(N-1) + c_2 N\end{aligned}$$

to determine the growth rate (in big-Oh terms) of the function $T(N)$.