

CS 2210 – Homework 2

Due: Monday, February 11, 2013 at the start of class

Please submit a typewritten document.

1.) Write a grammar for the regular expression:

`ab*a`

2.) Write a grammar that a four-function calculator may implement. The terminals are:

`integers, +, -, *, /`

Make sure to express the proper precedence in your grammar.

3.) Construct an LL(1) parse table for your grammar from question 2. Show the First and Follow sets you generated.

4.) Show the action list for the input:

`int * int + int * int - int`