**50 pts total**

For this lab, you’ll be provided two files. Do not make any changes in these:

* Lot.java: abstract class, parent of the two classes you’ll have to implement
* TestLots.java: driver file, run this file once you have everything implemented. The results you should get are specified in that file’s header

Your assignment is to implement the two child classes of the abstract Lot class, and to make them Comparable (implement the Comparable<Lot> interface:

* LotType1.java: extend Lot, implement Comparable<Lot> interface. Lots of Type 1 are triangular, use this information to implement the area calculation correctly.
* LotType2.java: same, but lots of Type 2 are rectangular (use the correct formula for area).

Once you’ve successfully implemented both of these classes, you should be able to run TestLots and get correct (and correctly sorted) results. Make sure all four files are included in the same NetBeans project.