When instructed to do so, please answer the following questions as best you can. Hand in this worksheet at the end of class. Don’t forget to put your name at the top!

1. Suppose you have declared an (empty) Integer arraylist al. Write a for loop that adds NUM random integers between 0 and MAX to al (where NUM and MAX are predefined constants).

2. Write a boolean method elementOf that takes as parameters an arraylist of Integers al and a single int elt, and returns whether elt appears in al.

3. Suppose you want your arraylist to be in sorted order (nondecreasing, say). How would you modify your for loop from question 1 to generate such a list?