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. Declare and initialize the following arrays:
   a) An int array of 10 elements called `lotsaInts`.
   
   b) A String array of 3 elements called `allNames`.

2. Write a for-loop that initializes the array `lotsaInts` to contain the integers $0, 5, 10, 15, \ldots, 45$.

3. Write a void method that takes as a parameter a single int array `moreInts` and adds 2 to each element of `moreInts`.

4. Draw what is happening in memory for the following lines of code.
   a) `int[] x = {1,2,3};`
   
   b) `int[] y = {1,2,3};`
   
   c) `int[] z = new int[4];`
   
   d) `z = x;`