1. /** See Prelim for the spec. */
   public static String fixZip(String s) {
     if (s.indexOf("Cornell") == -1) {
       return s;
     }
     int k = s.indexOf("14850");
     if (k == -1) {
       return s;
     }
     return s.substring(0, k) + "14853" + 
     s.substring(k + 5);
   }

2a. **null**

3a. Name, netId, Student, getName, getNetId, toString, equals (you do not have to remember this one; it is in class Object).

3b. toString.

3c. "Johnny, JD123, A&S".

3d. /** An instance: info about a freshman */
   public class Freshman extends Undergrad
   private int APcredits; // no. of AP credits
   /** Constructor: a freshman named n with
    netId id, in college c, and with x AP credits */
   public Freshman(String n, String id, 
   String c, int x) {
     super(n, id, c);
     APcredits = x;
   }
   /** = number of AP Credits of this student */
   public int getAPCredits() {
     return APcredits;
   }
   /** = set the number of AP Credits to ap */
   public void setAPCredits(int ap) {
     APcredits = ap;
   }
   /** = a representation of this student */
   public String toString() {
     return super.toString() + 
     "", 
     APcredits + " AP credits";
   }

4. Below is the output. We also show the final state of variables b, c, d.

5a. Parameter: a variable that is declared within the parentheses of a method header.

5b. 1. Create (draw) a new manila folder (object) of the class, in this case, C. 2. Execute the constructor call in the new-expression, in this case, C(5, 3). 3. Yield as value of the new-expression he name (on the tab) of the new object.

5c. Evaluate the <expression> and store its value in the <variable>.

5d. Local variable: a variable declared in a method body. Its scope is the sequence of statements that follow the declaration, until the end of the block.

5e. return <expression>:.