

# APPENDIX D

## GUIDELINES FOR CALCULATOR USE

### **Students in all grades will be allowed to use permissible calculators.**

All students should have access to school-owned or student-owned calculators for use on the appropriate End of Course Exam. All students should be familiar with the calculator they are to use. Students may use any four-function, scientific, or graphing calculator, unless it has features described in the following **PROHIBITED** list.

For models on the **PERMITTED WITH MODIFICATION** list, proctors will be required to modify some of the features of the calculator before it is used.

The following types of calculators are **PROHIBITED**:

- Pocket organizers
- Handheld or laptop computers
- Electronic writing pads or pen-input devices—*The Sharp EL9600 is permitted for use because it is not considered a pen-input device.*
- Calculators built into cellular phones or other wireless communication devices
- Calculators with a typewriter keypad (keys in QWERTY format) – *Calculators with letter keys not in QWERTY format are permitted.*
- Calculators with built-in Computer Algebra Systems – **Prohibited** calculators in this category include **all** calculators in **all** of the following series:
  - Casio CFX-9970G and Algebrax2.0 have built-in Computer Algebra Systems.
  - Texas Instruments TI-89 and TI-92 (including TI-92 Plus). All calculators in the Texas Instruments TI-92 series are prohibited because they have QWERTY (typewriter) keyboards and built-in Computer Algebra Systems.
  - Hewlett-Packard HP-40G and HP-49G. Calculators in the Hewlett-Packard HP-38G series and HP-48G series may be used only if the infrared communications port is covered with heavy, opaque material.

The following types of calculators are **PERMITTED WITH MODIFICATION**:

- Calculators with paper tape—*Remove the tape.*
- Calculators that make noise—*Turn off the sound feature.*
- Calculators that can communicate wireless with other calculators— *Completely cover the infrared data port with heavy, opaque material.*
- Calculators that have power cord—*Remove all power/electrical cords.*

On the day of testing, proctors should check each student's calculator to verify that it is a permitted type. Also, monitor calculator use to ensure the student uses a backup calculator **only** if a primary calculator fails, does not share calculators, and does not store test materials in the calculator's memory. If a calculator has characters one-inch high or larger, or a raised display, proctors may seat students where no other student can see the calculator.