

## Calculator Policy for Mathematics Courses

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Many instructors of mathematics courses expect or require each student to have a calculator with specific features. Calculator requirements vary from course to course, instructor to instructor, and homework to examinations. This document describes the range of requirements. You should check with your instructor about a specific calculator policy. Please note both the calculator features that may be required and possible restrictions on the use of certain features or models for exams.

### **Calculator requirements for specific courses**

MATH 110/170/180/181/280: For many sections of the calculus courses, a student should have a calculator with the following capabilities: function graphing, numerical equation solving, numerical differentiation, and numerical integration.

MATH 160: For some sections of introductory statistics, a student should have a calculator with basic statistical features.

MATH 150/290: For most sections of finite mathematics and linear algebra, a student should have a calculator with the following matrix features: row operations, reduced row echelon form, transpose, determinant, and (Math 290 only) eigenvalues/eigenvectors.

### **Texas Instrument models**

Faculty at UPS are most familiar with Texas Instrument calculator models. Other manufacturers have calculator models with similar features. Here is how the common Texas Instrument models match with UPS math courses:

TI-83/84 Plus: Sufficient for introductory statistics (MATH 160), finite math (MATH 150), and calculus courses (MATH 170/180/181/280).

TI-86: Sufficient for introductory statistics (MATH 160), finite math (MATH 150), calculus courses (MATH 170/180/181/280), and linear algebra (MATH 290).

TI-89 Titanium/Voyage 200: Sufficient for introductory statistics (MATH 160), finite math (MATH 150), calculus courses (MATH 170/180/181/280), and linear algebra (MATH 290). Note that some instructors do not allow the use of these calculators on exams.

### **Exam policies**

Instructors have individual policies on the use of calculators during exams. Individual exam policies include the following:

- All use of calculators allowed.
- Use of calculators allowed except symbolic computing features such as those available on the TI-89.
- Use of calculators allowed except models with symbolic features such as the TI-89.
- No use of calculators allowed.