

## **Appendix C: Calculator Policies**

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Calculators are allowable — but not required — for students to use while taking high school math end-of-course tests and the physical science test.

For students taking tests online, a calculator is available within the online Student Testing Site for tests or parts of tests that allow calculator use. Online testing students may alternatively use a handheld calculator at district or school discretion. Students may use handheld calculators for either the computer-based or paper-based test formats.

The district may provide the calculator or schools may permit students to bring their own handheld devices for test purposes. If students are using handheld calculators, test administrators must confirm that the memory on all calculators has been cleared before and after each testing session. Note: Clearing the memory may reset mode to radians, you may need to show your students how to change the mode to degrees if needed.

Specific specialized external calculators (e.g., large key, talking) are allowed for students who need them for accessibility, provided that accommodation is specified in the student's approved Individualized Education Program (IEP) or Section 504 Plan.

Refer to [Ohio's Accessibility Manual](#) for information about students with disabilities and the use of calculation devices or fact charts.

See the pages that follow for specific information on allowable calculators by test. For additional guidance, refer to the contacts on the inside front cover of this manual.

## Calculators for High School Mathematics

The Ohio Department of Education recommends graphing calculators for the high school mathematics tests, but students may use calculators with lower functionality. Schools should give students opportunities to become familiar with the calculators they choose before testing. A copy of Ohio's high school math calculator guidance can be found on the [portal](#).

### ***Recommended Calculators***

Examples of recommended graphing calculators\* include, but are not limited to:

Casio	Texas Instruments	
fx-9750GII	TI-73 Explorer	TI-NSpire
fx-9860GII	TI-83 Plus	TI-NSpire CX
fx-CG10 PRIZM	TI-84 Plus - Series	

\* Graphing calculators absent from this list are not automatically prohibited.

### ***Prohibited Graphing Calculator Functions and Features***

Schools must **not** allow graphing calculators that meet these descriptions:

- Calculators with Computer Algebra System (CAS) features;
- Tablet, laptop, personal digital assistants (PDAs) or phone-based calculators;
- Calculators with "QWERTY" keyboards.

### ***Examples of Allowable Scientific Calculators***

Examples of allowable scientific calculators\*\* include, but are not limited to:

Casio	Sharp	Texas Instruments
fc-200V	EL-500W	TI-15 Explorer
fx-55PLUS	EL-501X	TI-30Xa
fx-115ESPLUS	EL-506X	TI-30XIIS (OGT Approved)
fx-260Solar	EL-516X	TI-30XS Multi View
fx-300MS	EL-520X	TI-34 Series
fx-300ESPLUS	EL-531X	TI-36X Pro
	EL-535X	TI-BAll Plus

\*\* Scientific calculators absent from this list are not automatically prohibited.

### ***Test Administrator Guidance***

- Confirm that the calculators meet the requirements for the test.
- Confirm that the memory on all handheld calculators is clear before and after each testing session. Note: Clearing the memory may reset mode to radians, you may need to show your students how to change the mode to degrees if needed.
- Do not allow students to share calculators within a testing session.

## Calculators for Physical Science

The Ohio Department of Education recommends scientific calculators for the physical science test. Students may use graphing calculators, but these are not required or recommended. Schools should give students opportunities to become familiar with the calculators before the tests. A copy of Ohio's physical science calculator guidance can be found on the [portal](#).

Examples of allowable scientific calculators\* include but are not limited to:

<b>Casio</b>	<b>Sharp</b>	<b>Texas Instruments</b>
fc-200V	EL-500W	TI-30Xa
fx-55PLUS	EL-501X	TI-30XIIS (OGT approved)
fx-115ESPLUS	EL-506X	TI-30XS Multi View
fx-260Solar	EL-516X	TI-34 Series
fx-300MS	EL-520X	TI-36X Pro
fx-300ESPLUS	EL-531X	
	EL-535X	

Examples of allowable graphing calculators\* include but are not limited to:

<b>Casio</b>	<b>HP</b>	<b>Texas Instruments</b>	
fx-9750GII	HP 50g	TI-73 Explorer	TI-NSpire
fx-9860GII	HP Prime	TI-83 Plus	TI-NSpire CX
fx-CG10 PRIZM		TI-84 Plus - Series	

\* Scientific and graphing calculators absent from these lists are not automatically prohibited.