

## Guidance on Desmos Calculators for Grades 3-8★

Beginning with the 2017-2018 school year, Ohio’s State Tests will use Desmos as the online calculator. The Desmos scientific calculator available in the [Test Portal](#) has been modified for Ohio. The Ohio version of the Desmos calculator is accessible through the online [practice tests](#) and as a [direct link](#).

### GRADES 3-8: SCIENTIFIC CALCULATOR★

This modified version of Desmos is available to use for practice at any time and is the same version students will have available during online testing. The calculators were modified for testing with certain features disabled or removed. The modifications were made either because removed functions a) concerned content above the grade level of the test; or b) could have affected the tests’ ability to measure a student’s understanding of grade-level content in some areas of the standards.

### MODIFICATIONS FOR TESTING★

The scientific calculator within Ohio’s State Tests is nearly identical to the one available on [www.desmos.com/scientific](http://www.desmos.com/scientific), with two small modifications:

- The “ABC” keypad is alphabetical instead of QWERTY.
- The buttons for Median, MAD, MOD and  $\text{Log}_a$  are removed.



### ACCESSIBILITY

The scientific calculator within Ohio’s State Tests is fully accessible for vision-impaired and blind students. It complies with the WCAG 2.0 standards at the AA level, and works with most assistive technologies, like screen readers. For more information, visit [www.desmos.com/accessibility](http://www.desmos.com/accessibility).

### ADDITIONAL PRACTICE FOR TEACHERS AND STUDENTS

A full version of the Desmos scientific calculator is available on their [website](#). You also can download the calculator at the [iOS](#) or [Android](#) app stores for free. Once downloaded, you can use these apps without an internet connection. Districts can use the full version for instruction any time before and after state testing; however, the full version will not be available on state tests. [Click here](#) for more information on how you can use Desmos to design classroom activities to use with instruction.

Scientific calculator tutorials are available at [learn.desmos.com/scientific](http://learn.desmos.com/scientific).

\* Only students who qualify for a calculator as an accommodation per their Individualized Education Program or Section 504 plan may use a calculator in Grades 3-5 and on Part 1 of the Grades 6 and 7 tests.