



## Desmos Calculator for AzM2

The Desmos Scientific and Graphing calculators are used on AzM2 tests. Advantages of these calculators are that there is no cost to use these and the apps work without the need for internet connection. The calculators are fully WCAG 2.0 AA compliant and work with screen readers and soon with refreshable Braille displays.

- Students in grades 7-8 have the embedded Desmos Scientific Calculators for part 1 of their test.
- Students in Grade 10 have the embedded Desmos Graphing Calculators for students in both parts of their test.

The Arizona Department of Education has customized the Desmos calculators for AzM2 testing. We have determined that some functions compromise the construct of the test, and/or do not appear on handheld calculators. The table below includes the functions that have been disabled on the Desmos calculators for testing. **The Scientific Calculator for grades 7-8 is the ONLY calculator with disabled functions.** There are no disabled functions on the EOC Graphing Calculator. The disabled functions are:

| Disabled Functions for the Scientific Calculator |                      |                              |       |
|--|----------------------|------------------------------|-------|
| $\Sigma$ (sum)                                   | GCF                  | LCM                          | Floor |
| $\frac{d}{dx}$<br>(derivative)                   | $\int$<br>(integral) | $\Pi$<br>(product symbol pi) |       |

Students can practice using calculators with the ADE changes either through the sample tests or on the AzMERIT Calculator and Tutorials site of the AzMERIT portal.

**Sample Tests:** <http://azm2portal.org/sample-tests/>

**Calculators and Tutorials:** <http://azm2portal.org/tutorials/>

### You can learn more about Desmos calculators

- Videos and walk-through tutorials: [learn.desmos.com/calculator](https://learn.desmos.com/calculator)
- User Guide (English) [https://desmos.s3.amazonaws.com/Desmos\\_User\\_Guide.pdf](https://desmos.s3.amazonaws.com/Desmos_User_Guide.pdf)
- User Guide (Spanish) [https://desmos.s3.amazonaws.com/Desmos\\_User\\_Guide\\_ES-ES.pdf](https://desmos.s3.amazonaws.com/Desmos_User_Guide_ES-ES.pdf)
- Keyboard shortcuts are accessible from the calculator by clicking on the "?" help circle in the upper right hand corner of the Graphing Calculator, and then clicking Keyboard Shortcuts.