

State Test: Standards of Learning

Desmos calculators are available on the Virginia Standards of Learning (SOL) Assessments. The calculators you will see on the Virginia SOL assessment may differ from what is available for free on desmos.com.

**Four-Function Calculator:** Grade 4-5 Math, Grade 5 Science

The Four-Function Calculator does not differ from the one on desmos.com.

**Scientific Calculator:** Grades 6-8 Math, Grade 8 Science

Convert decimals to fractions	The calculator on the Virginia SOL assessment does not include a button that converts decimals to fractions automatically.
Function definitions	You cannot define functions on the Virginia SOL assessment.
Complex numbers	<u>Complex numbers</u> are disabled on the Virginia SOL assessment.

**Graphing Calculator:** High School Math, High School Science

Images, folders, and notes	Images, folders, and notes are disabled on the Virginia SOL assessment.
Default angle mode	The calculator on the Virginia SOL assessment defaults to degrees (rather than radians like on desmos.com).
Audio controls	On test day, only students with an approved accommodation can access audio cues. In the practice calculators, <u>audio trace</u> is always accessible.
Log Mode for regressions	The calculator on your test automatically checks <u>Log Mode</u> when working with applicable exponential, logarithmic, and power regressions.
Tone	<u>Tone</u> is disabled on the Virginia SOL assessment.
Recursive functions	<u>Recursive functions</u> are disabled on the Virginia SOL assessment.
Disabled functions by category	<p>The following functions are disabled on the Virginia SOL assessment:</p> <ul style="list-style-type: none"> • Trig functions, hyperbolic functions, and their inverses: csc, sec, cot, arccsc, arcsec, arccot, csch, sech, coth, arccsch, arccoth, arcsech • Statistics: mad, cov, covp <p>Learn more about these functions on our Supported Functions page.</p>

If you would like to practice using the testing versions of the calculators, which are configured with the listed changes, visit our [Testing page](#). All Desmos calculators are designed to be accessible to students with low vision or who are blind. For more information, visit our [Accessibility page](#).