

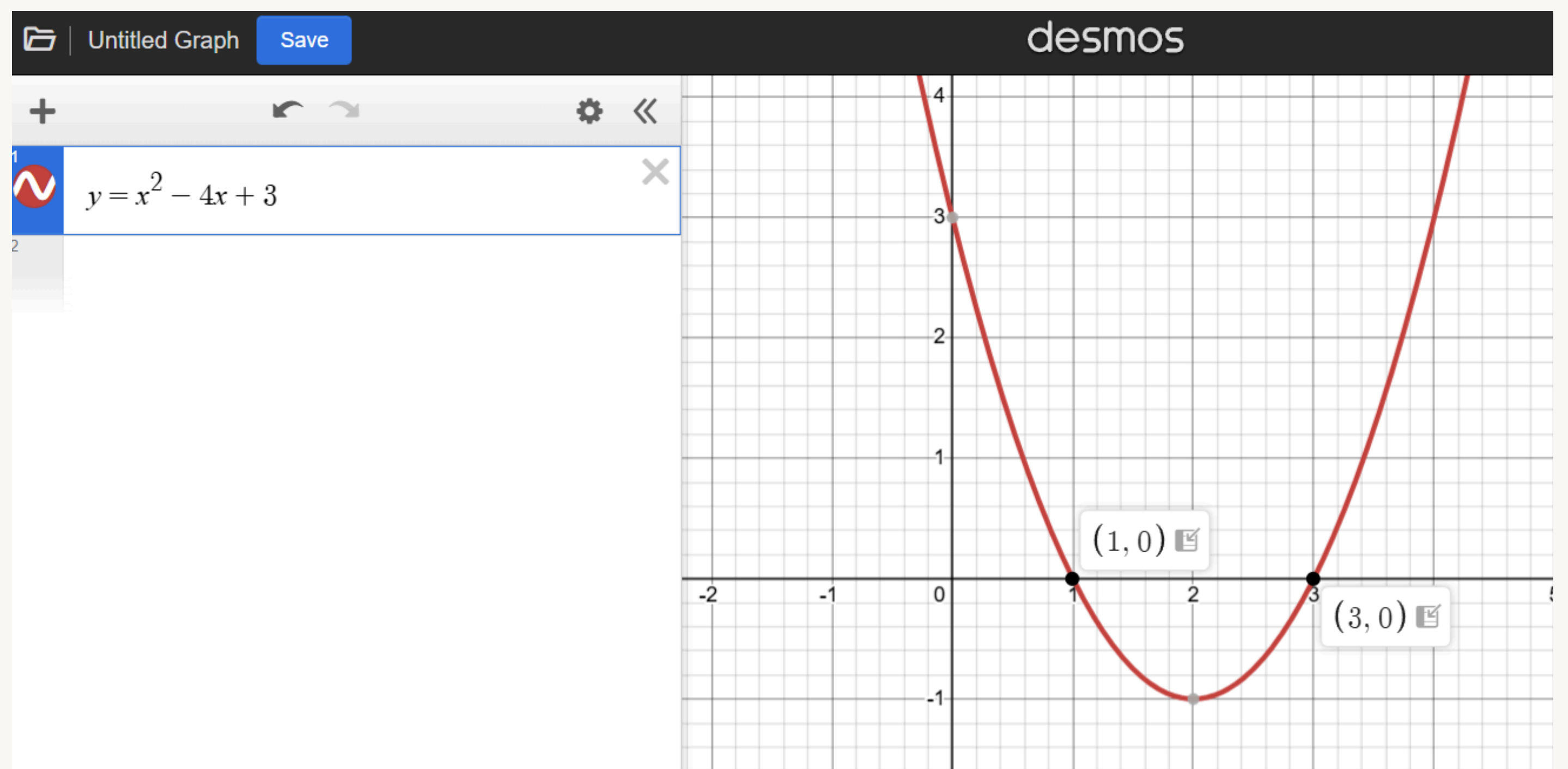
SAT Desmos Cheat Sheet

Visual and quick math skills for the Digital SAT

Graphing Functions

- Type equations exactly as shown on the test.
- Zoom to see intercepts and the vertex.
- Click points to label coordinates.
- Use the table to read exact values.

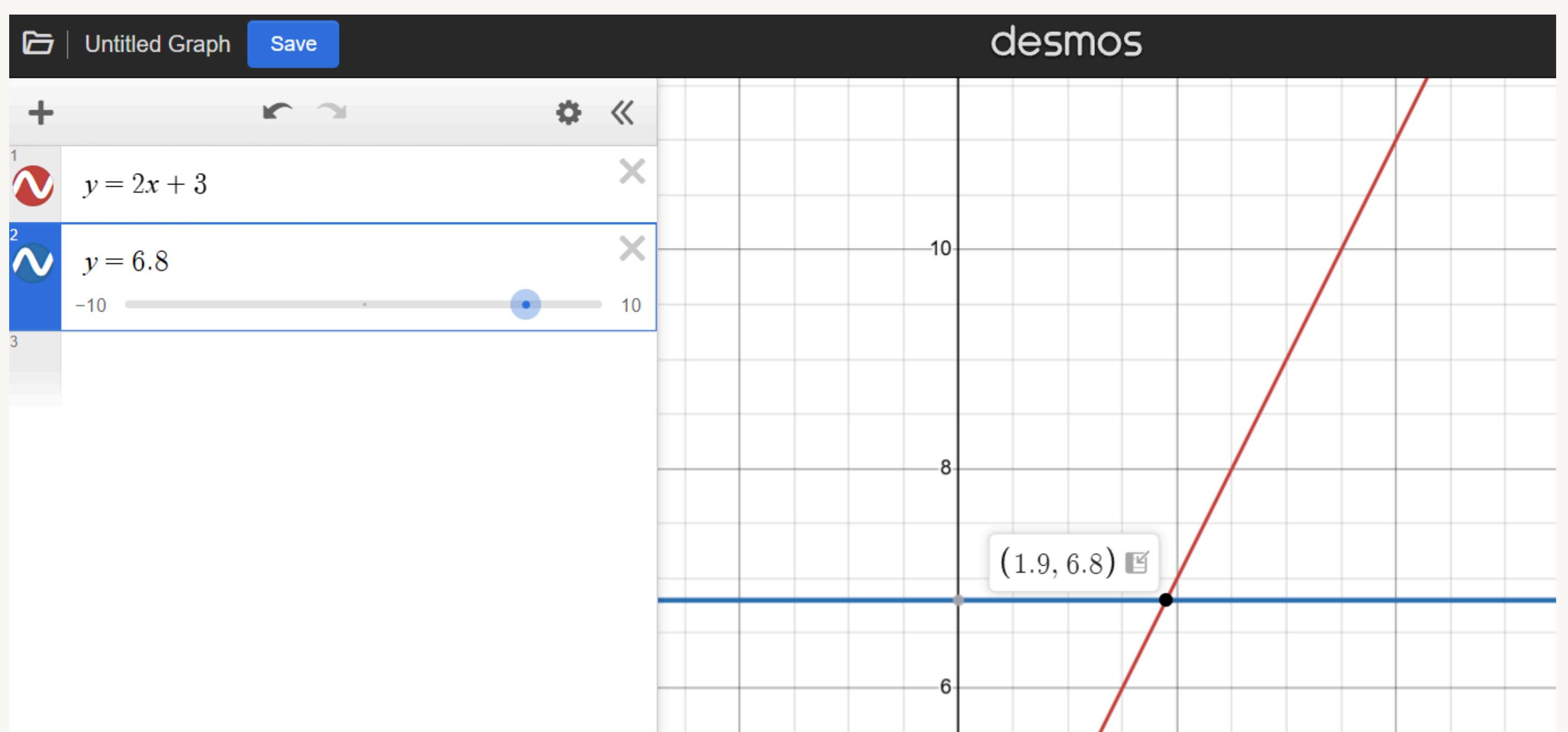
Example: Roots of $y = x^2 - 4x + 3$



Solving Equations

- Enter each side as its own function.
- The intersection x-value is the solution.
- Table view confirms exact values.

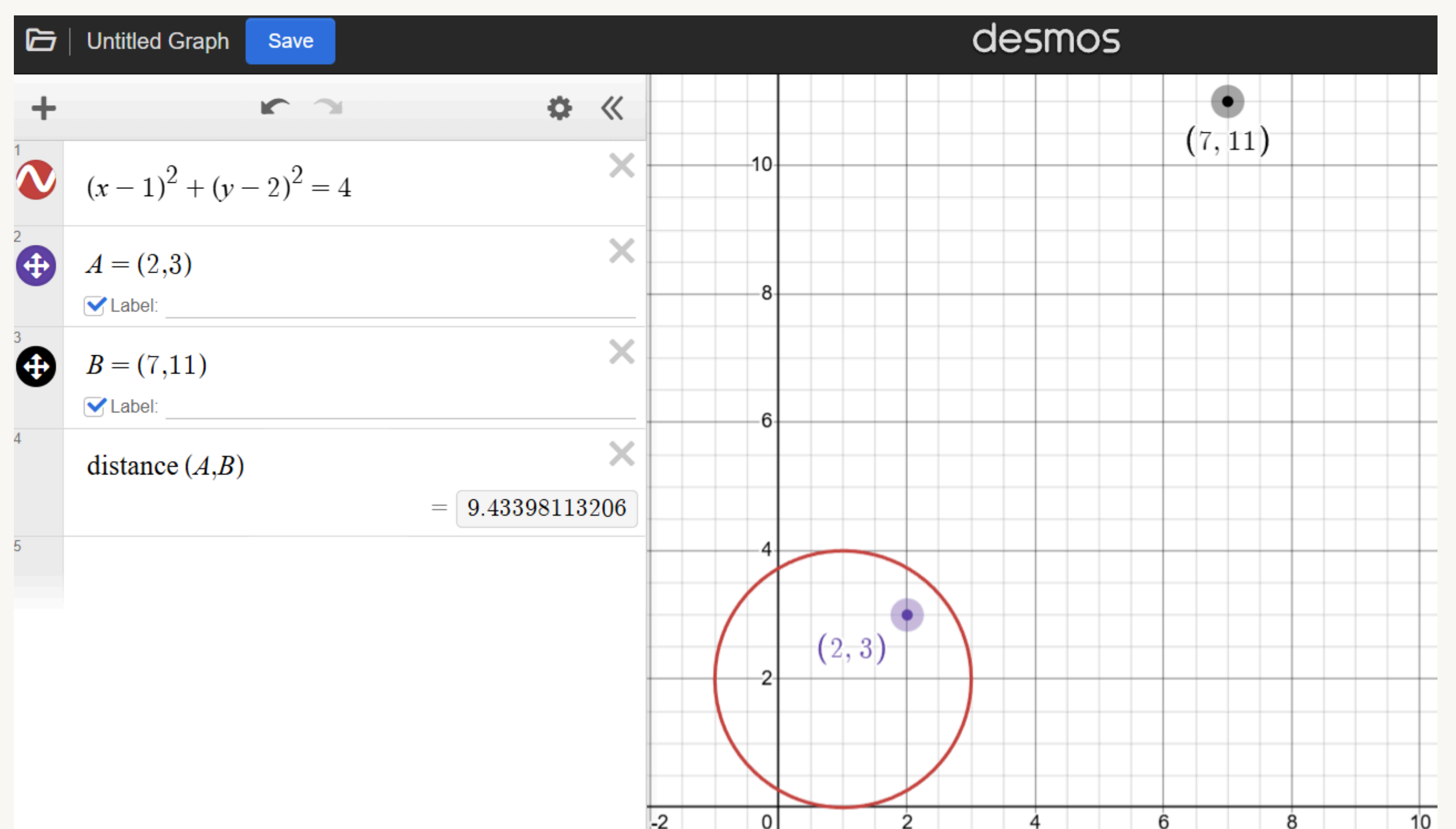
Example: $2x + 3 = 7$ solved by intersections



Geometry Applications

- Plot points to see slope and midpoint.
- Circles: Use $(x - h)^2 + (y - k)^2 = r^2$.
- Distance: Use $\text{distance}(A, B)$ after defining A and B.

**Example: Circle center $(1, 2)$, radius 2.
Distance between A and B**



Need help mastering Desmos for the SAT?

Our Ivy League SAT Tutors can show you how to use it to save time and score higher.

Book a free consultation on our site

**Test
Day
Tricks**

- Type first, rearrange only if needed
- Label key intersections
- Use the table to test answer choices
- Do not open Desmos for one-step mental math