

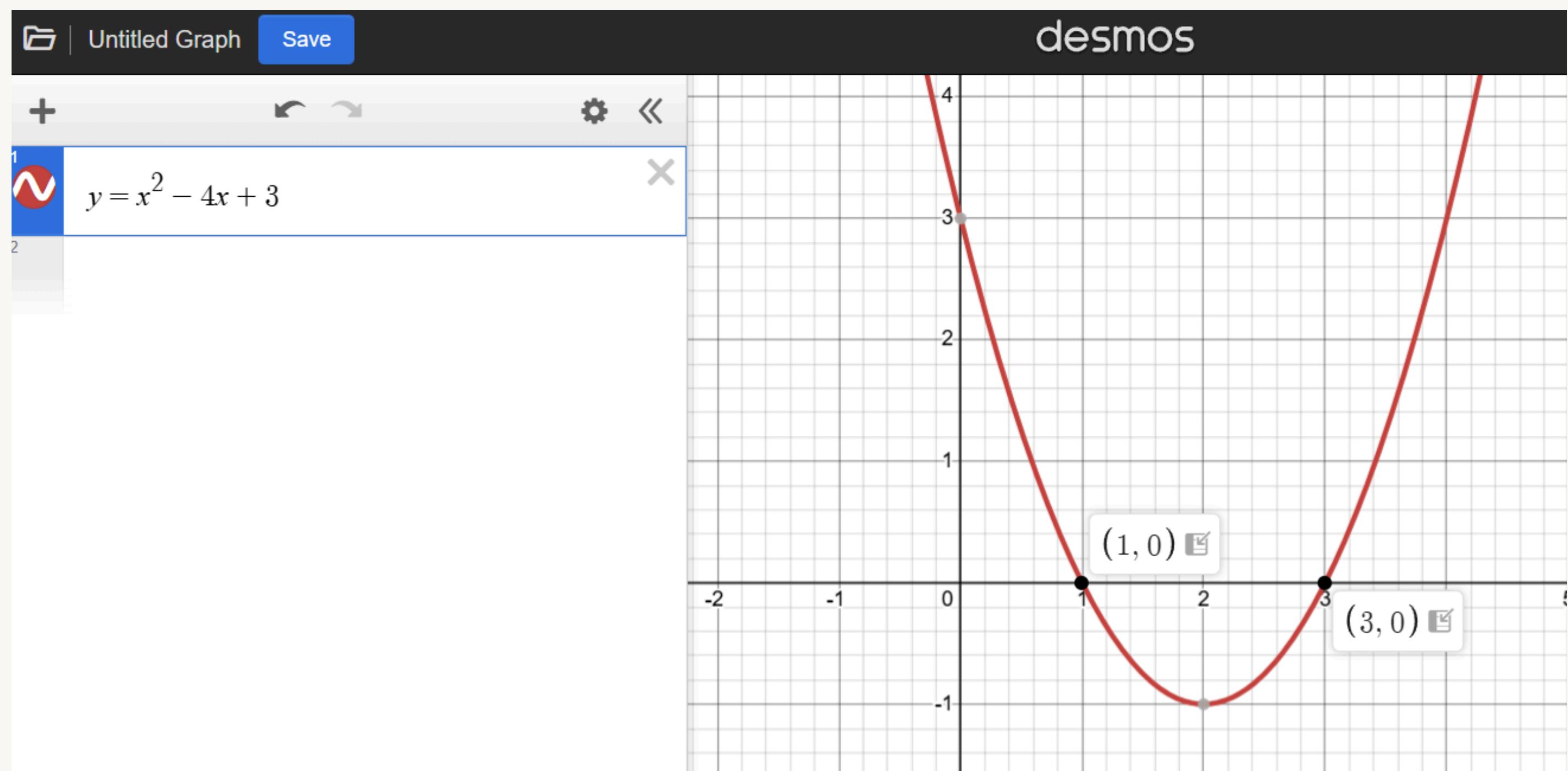
# SAT Desmos Cheat Sheet

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.

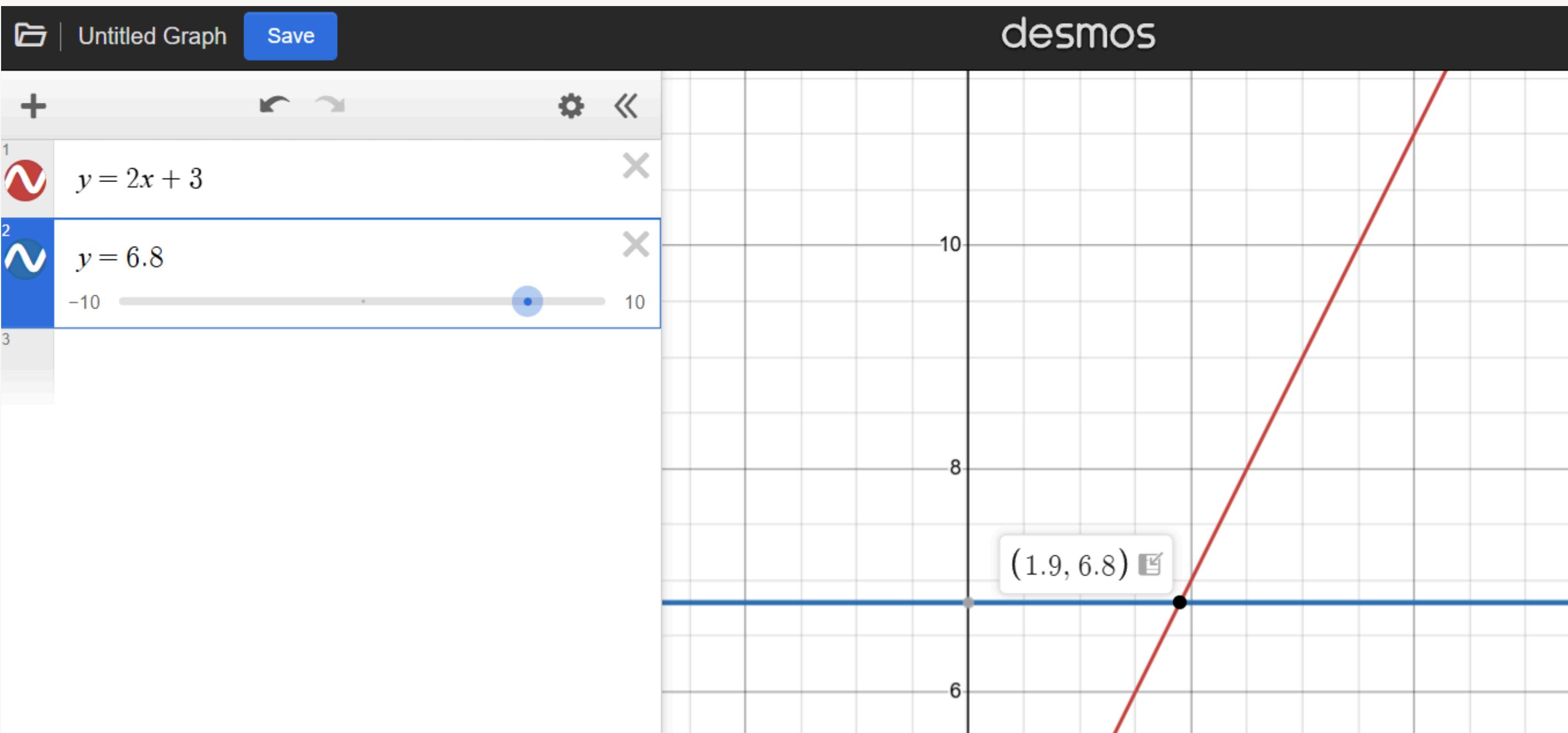
**Example: Roots of  $y = x^2 - 4x + 3$**



## Solving Equations

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

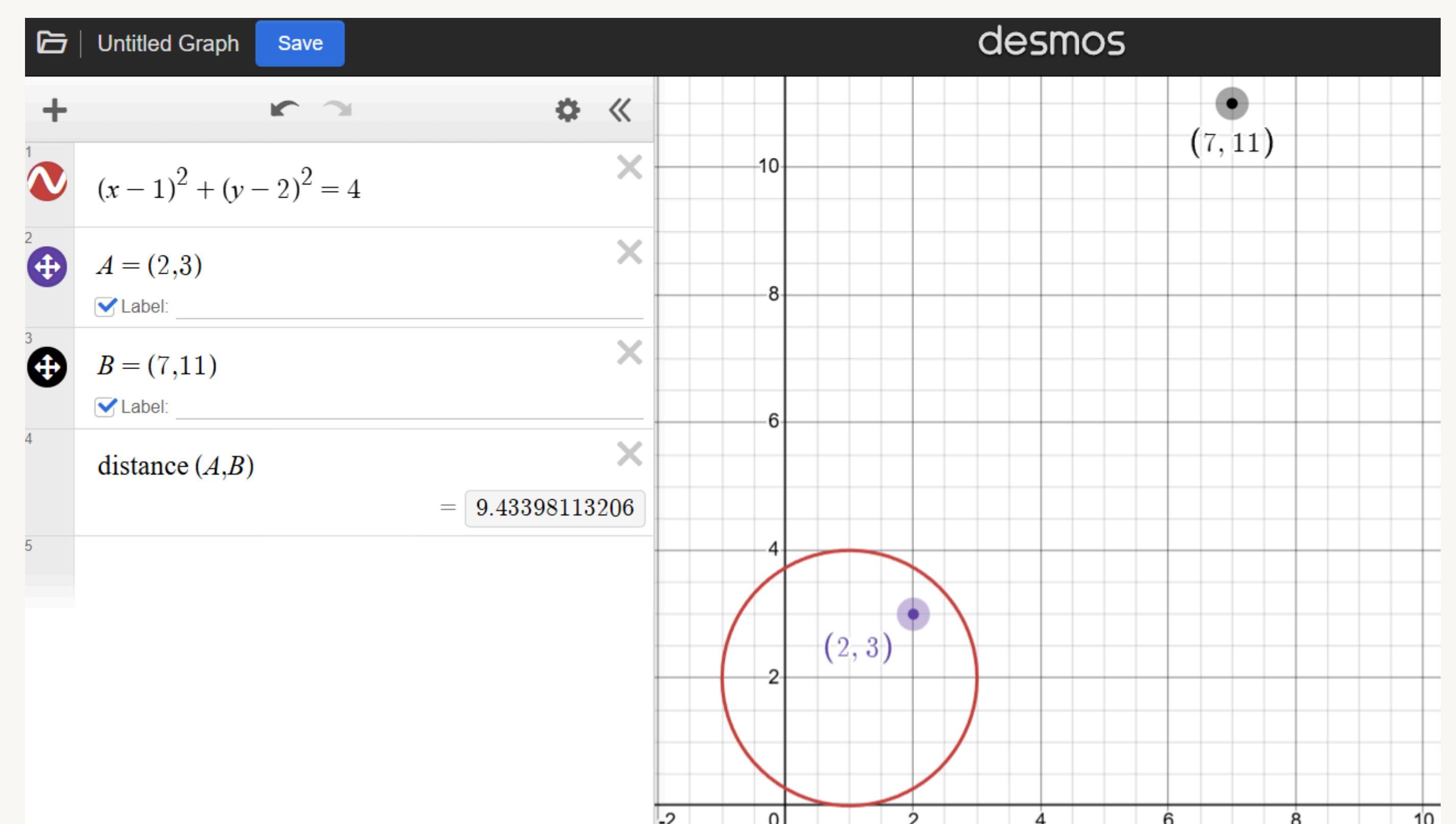
**Example:  $2x + 3 = 7$  solved by intersections**



## Geometry Applications

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

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



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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