



## Quadratic Formula Nomogram

This is a nomogram based on an original design published by ET Whittaker in 1915.

To solve the polynomial  $x^2 + ax + b$ , hold the string so that it intersects the horizontal axis at  $a$  and intersects the vertical axis at  $b$ . The roots are where the string meets the circular arc.

For example to solve  $x^2 + 2x - 3$ , stretch the string from 2 on the horizontal to  $-3$  on the vertical. The string will intersect the arc at 1 and  $-3$ !

More info:

