

Quadratic equations with your GDC

IGCSE/IB

For each of the following graph with your GDC, choose an appropriate window and find the solutions by using a graphical method of solving.

	Equation	Solution
1.	$x^2 + 4x + 3 = 0$	$x = \dots\dots\dots$ and $x = \dots\dots\dots$
2.	$2x^2 + 11x + 5 = 0$	$x = \dots\dots\dots$ and $x = \dots\dots\dots$
3.	$x^2 - 6x + 5 = 0$	$x = \dots\dots\dots$ and $x = \dots\dots\dots$
4.	$x^2 - x - 12 = 0$	$x = \dots\dots\dots$ and $x = \dots\dots\dots$
5.	$x^2 + 2x + 15 = 0$	$x = \dots\dots\dots$ and $x = \dots\dots\dots$
6.	$2x^2 + 17x + 21 = 0$	$x = \dots\dots\dots$ and $x = \dots\dots\dots$
7.	$6x^2 - 7x + 2 = 0$	$x = \dots\dots\dots$ and $x = \dots\dots\dots$
8.	$8x^2 - 10x + 3 = 0$	$x = \dots\dots\dots$ and $x = \dots\dots\dots$
9.	$15x^2 - 11x + 2 = 0$	$x = \dots\dots\dots$ and $x = \dots\dots\dots$
10.	$36x^2 - 47x + 15 = 0$	$x = \dots\dots\dots$ and $x = \dots\dots\dots$