

HW19 Unit Test Individual Table

Quadratic equation

$$ax^2 + bx + c = 0$$

$$x = \frac{-b \pm \sqrt{b^2 - 4ac}}{2a}$$

Equation	Value of a	Value of b	Value of c	Expected result	Actual result
$x^2 + 2x - 63 = 0$	1	2	-63	$x_1 = 7.21$ $x_2 = -9.23$	
$7x^2 - 13x - 1 = 0$	7	-13	-1	$x_1 = \frac{13 + \sqrt{197}}{4}$ $x_2 = \frac{13 - \sqrt{197}}{4}$	
$5x^2 + 12x = 0$	5	12	0	$x_1 = 0$ $x_2 = -2.4$	
$6x^2 - 19x + 10 = 0$	6	-19	10	$x_1 = 2.5$ $x_2 = 0.66$	
$x^2 + 7x = 0$	1	7	0	$x_1 = 0$ $x_2 = -7.1$	