Key

L.22 – FQ – Solving by Graphing

Q1: Solve the equation $-1x^2 - 4x + 5 = 0$ graphically. *(3 marks)*

(Table of values – 1 mark, Graphed function – 1 mark, Final statement – 1 mark)
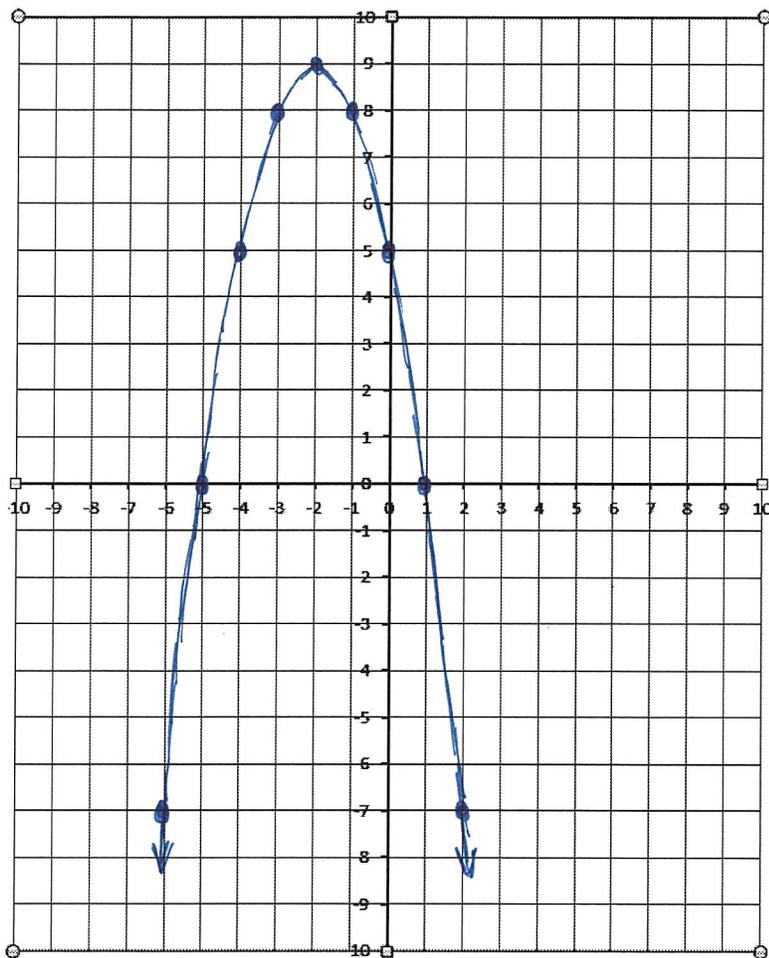
x	y
-6	-7
-5	0
-4	5
-3	8
-2	9
-1	8
0	5
1	0
2	-7

$y = -1x^2 - 4x + 5$

$x = -5, +1$

MARKING:

Beginning   0 – 1.0
Progressing   1.5
Competent   2.0 – 2.5
Exemplary   3.0