1)

Determine consecutive values of *x* between which each real zero of the function $f(x) = x^4 - x^3 - 4x^2 + 1$ is located using the table below.

x	f(x)
−2	9
−1	−1
0	1
1	−3
2	−7
3	19

The zeroes are between
(join the consecutive values of x between which zeroes are located)

-2	-2
-1	-1
0	0
1	1
2	2
3	3

2)

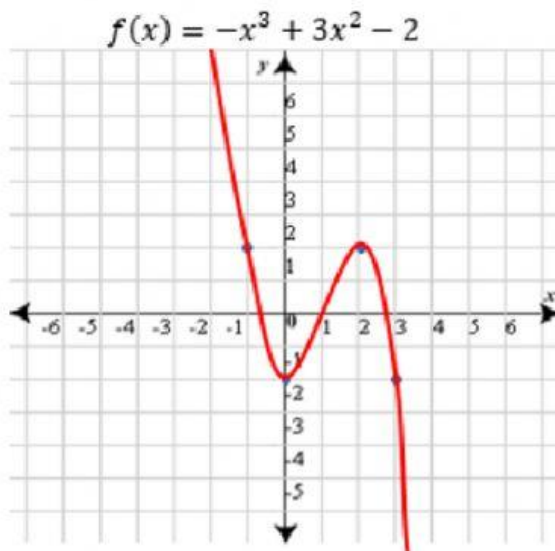# FIND THE X-VALUE AT WHICH RELATIVE MAXIMA AND RELATIVE MINIMA OF A FUNCTION OCCUR FROM IT'S TABLE OF VALUES

x	f(x)
-2	5
-1	1
0	-1
1	0
2	2
3	1
4	-1

Relative maximum at x =

Relative minimum at x =

3)

FIND THE X-VALUE AT WHICH RELATIVE MAXIMA AND RELATIVE MINIMA OF A FUNCTION OCCUR FROM IT'S GRAPH

$$f(x) = -x^3 + 3x^2 - 2$$

Relative maximum at x =

Relative minimum at x