

$$f(x) = x^4 + x^3 - 4x^2 - 4x$$

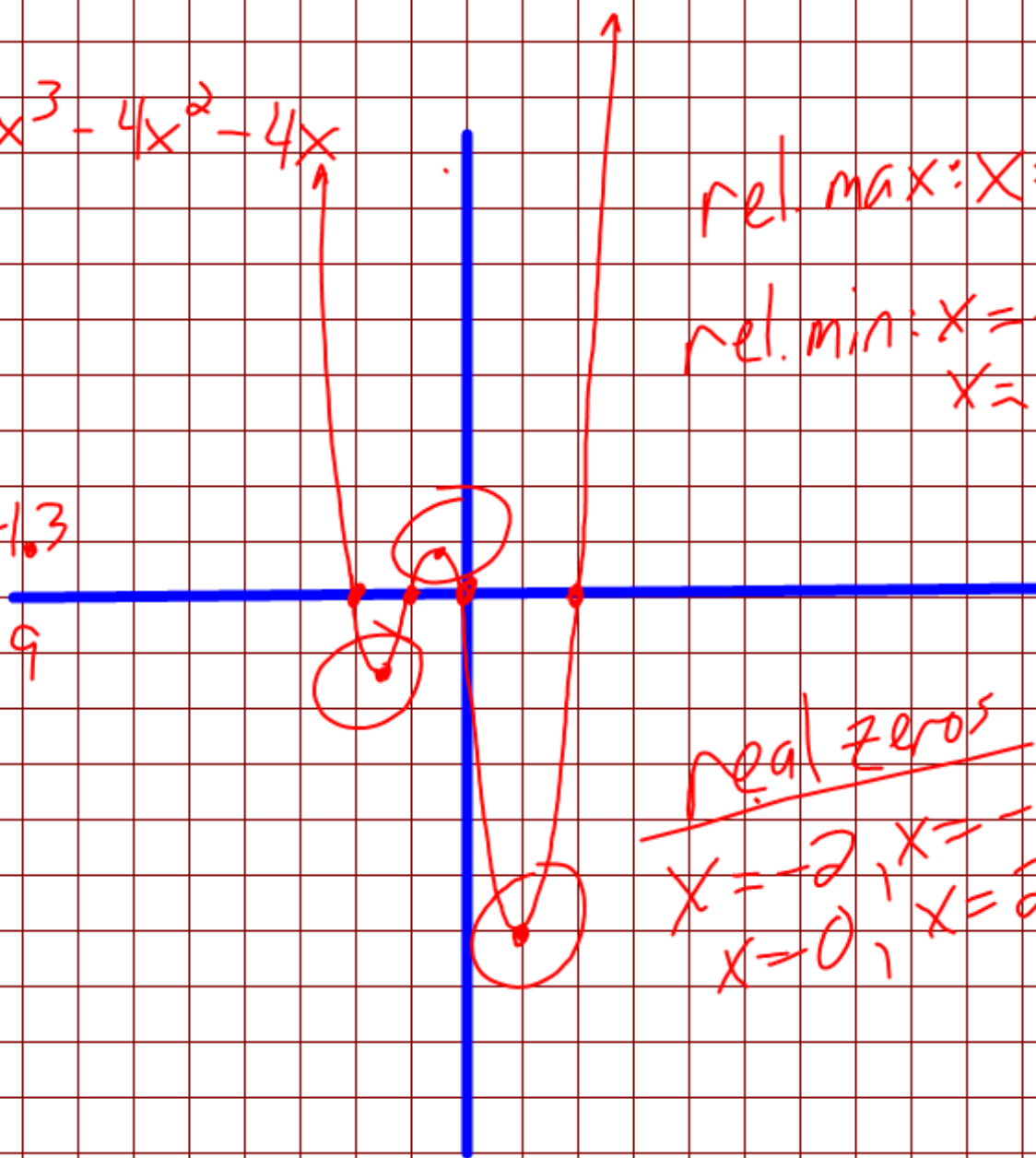
x	$f(x)$
-3	30
-2	0
-1	0
0	0
1	-6
2	0
3	60
4	240

$$-1.5 \mid x \approx -1.3$$

$$-0.5 \mid x \approx 0.9$$

rel. max: $x = -5$
 rel. min: $x = -1.5$
 $x = 1$

real zeros
 $x = -2, x = -1$
 $x = 0, x = 2$



$$f(x) = x^3 - 5x^2 + 3x + 2$$

x	f(x)
---	------

-4	-154
----	------

-3	-79
----	-----

-2	-32
----	-----

-1	-7
----	----

0	2
---	---

1	-4
---	----

2	-7
---	----

3	-2
---	----

4	17
---	----

5	
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real zeros

between 4 & 5

between 1 & 2

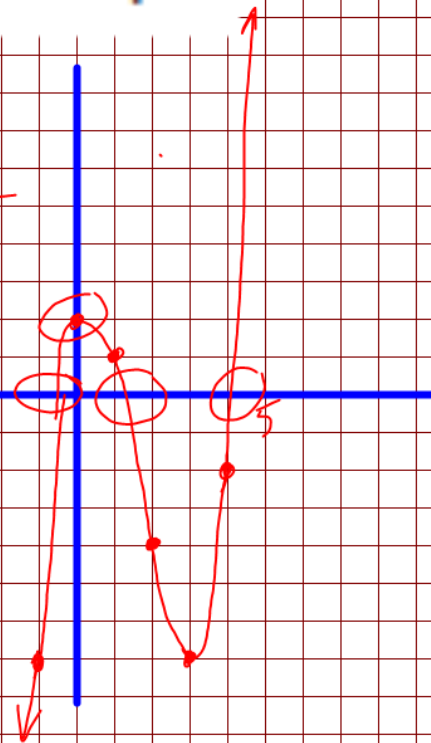
between 0 & 1

rel max

$x=0$

rel min

$x=3$



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