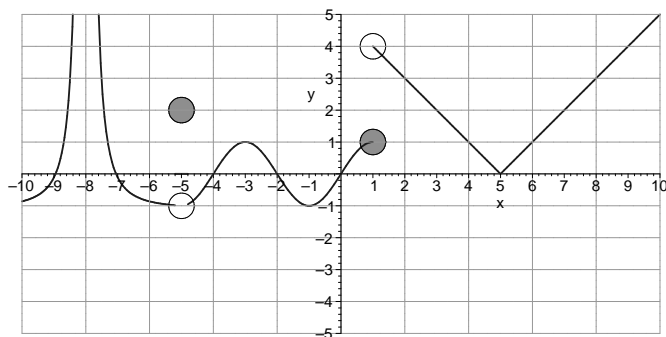


NAME: _____

row: _____ (count from your left)

The graph of $f(x)$ is given below.



1. Complete the table below with the appropriate symbol for $f'(x)$ and $f''(x)$.

- + for positive
- for negative
- 0 for zero
- NE for "does not exist"

x	-9	-8	-5	-4	-3	-2	1	2	5	8
$f'(x)$	+	NE	NE	+	0	-	NE	-	NE	+
$f''(x)$	+	NE	NE	0	-	0	NE	0	NE	0

2. Local maxima occur at $x = \underline{-5, -3}$ (list all)

3. Consider the domain $[-4, 7]$.

- (a) Absolute maxima occur at $x = \underline{NE}$ (list all, write NE if none exists.)
- (b) Absolute minima occur at $x = \underline{-1}$ (list all, write NE if none exists.)