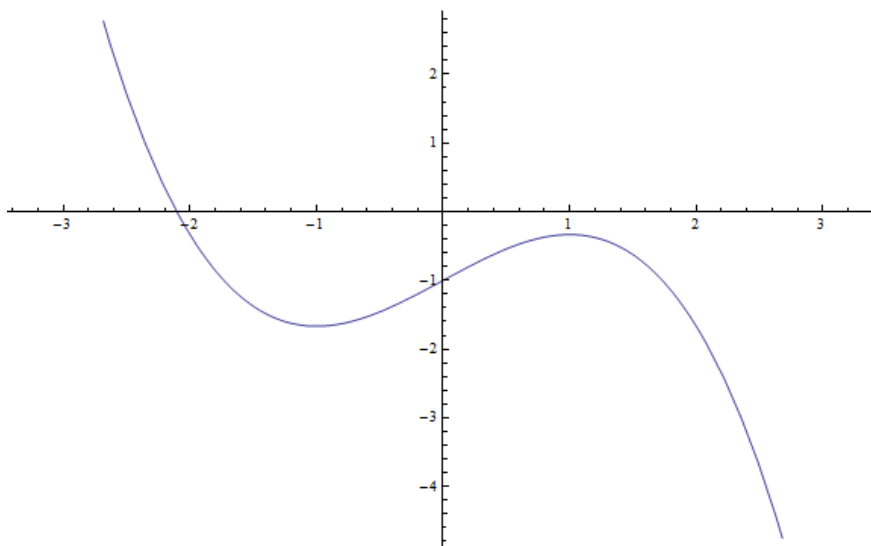


1. Critical numbers: $-2, -1, 1$; none in $(-1, 1)$
 Absolute maximum at $(-1, 13)$
 Absolute minimum at $(1, -19)$
2. Local minimum at $x = \sqrt[3]{3/2}$
 Local maximum: none on the given domain
3. (a) $x = -2, -1$
 (b) $(-\infty, -2)$ and $(-1, \infty)$
 (c) $(-2, -1)$
 (d) Local maximum at $x = -2$
 Local minimum at $x = -1$
4. (a) $(-1, 1)$
 (b) $(-\infty, -1)$ and $(1, \infty)$
 (c) $(-\infty, 0)$
 (d) $(0, \infty)$
 (e) See the graph below



5.

x	
1	local min
2	neither
3	local max
4	neither
5	inconclusive