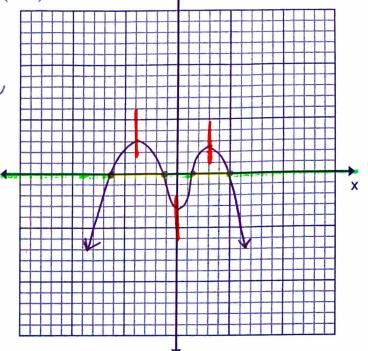
Ex. Sketch a graph of the polynomial function $\,g\,$ given the following information:

- (-7,-1) and $(1,5) \rightarrow 000$
- g(x) is negative on the intervals $(-\infty, -7)$, (-1,1) and $(5,\infty) \longrightarrow \text{DCNDW}$ y

x-values

- $(\mathcal{R})^{g(x)}$ is increasing on the intervals $(-\infty, -4)$ and (0,3)
- dowg(x) is decreasing on the intervals (-4,0) and $(3,\infty)$

* y's don't matter



#1: color code pos : neg

#2: find turning pts -> "walls" -> switch inc : dec

#3: graph!

Sketch a graph of the polynomial function h given the following information:

- h(x) is positive on the intervals (-12,0) and $(9,\infty)$
- h(x) is negative on the intervals $(-\infty, -12)$ and (0,9)
- h(x) is increasing on the intervals $(-\infty, -5)$ and $(6, \infty)$
- h(x) is decreasing on the interval (-5,6)

