HA1 Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Draw a Graph HW

Draw a graph with the following features:

* Domain: $All Real Numbers$
* Range: $y\leq 7$
* Increasing: $x<-3 and-1<x<2$
* Decreasing: $-3<x<-1 and x>2$
* Positive: $-4<x<5$
* Absolute max when $x is-3$
* Relative max at $(2, 5)$
* $f\left(0\right)=3$
* Relative min: (-1, 2)
* X-intercepts at $-4 and 5$

