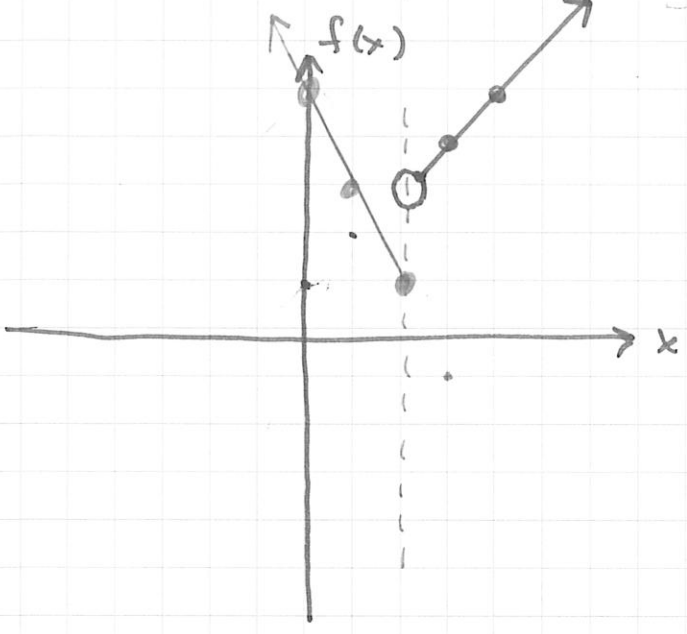
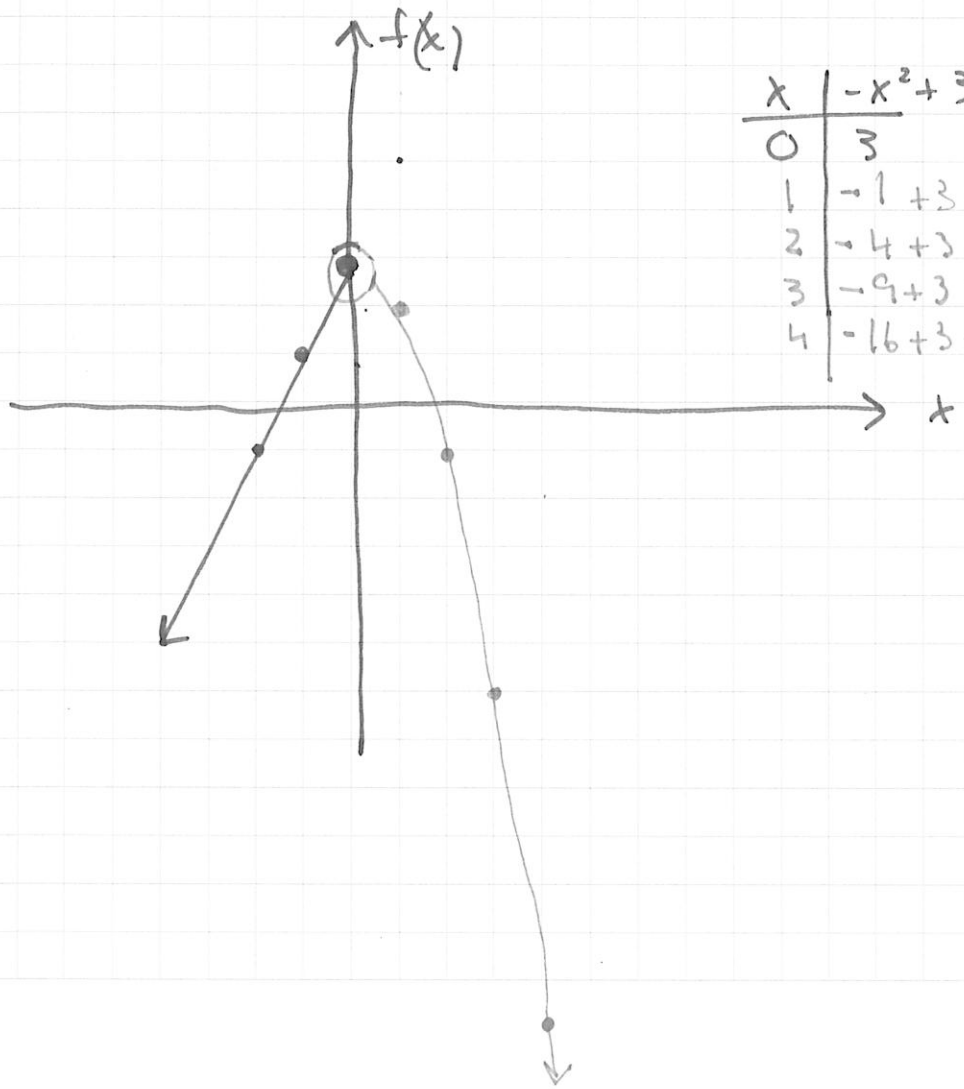


# Piecewise Functions

2.6 [Ex 2] Graph <sup>(9)</sup>  $f(x) = \begin{cases} -2x+5 & \text{if } x \leq 2 \\ x+1 & \text{if } x > 2 \end{cases}$



(b)  $f(x) = \begin{cases} 2x+3 & \text{if } x \leq 0 \\ -x^2+3 & \text{if } x > 0 \end{cases}$



x	$-x^2+3$
0	3
1	$-1+3=2$
2	$-4+3=-1$
3	$-9+3=-6$
4	$-16+3=-13$