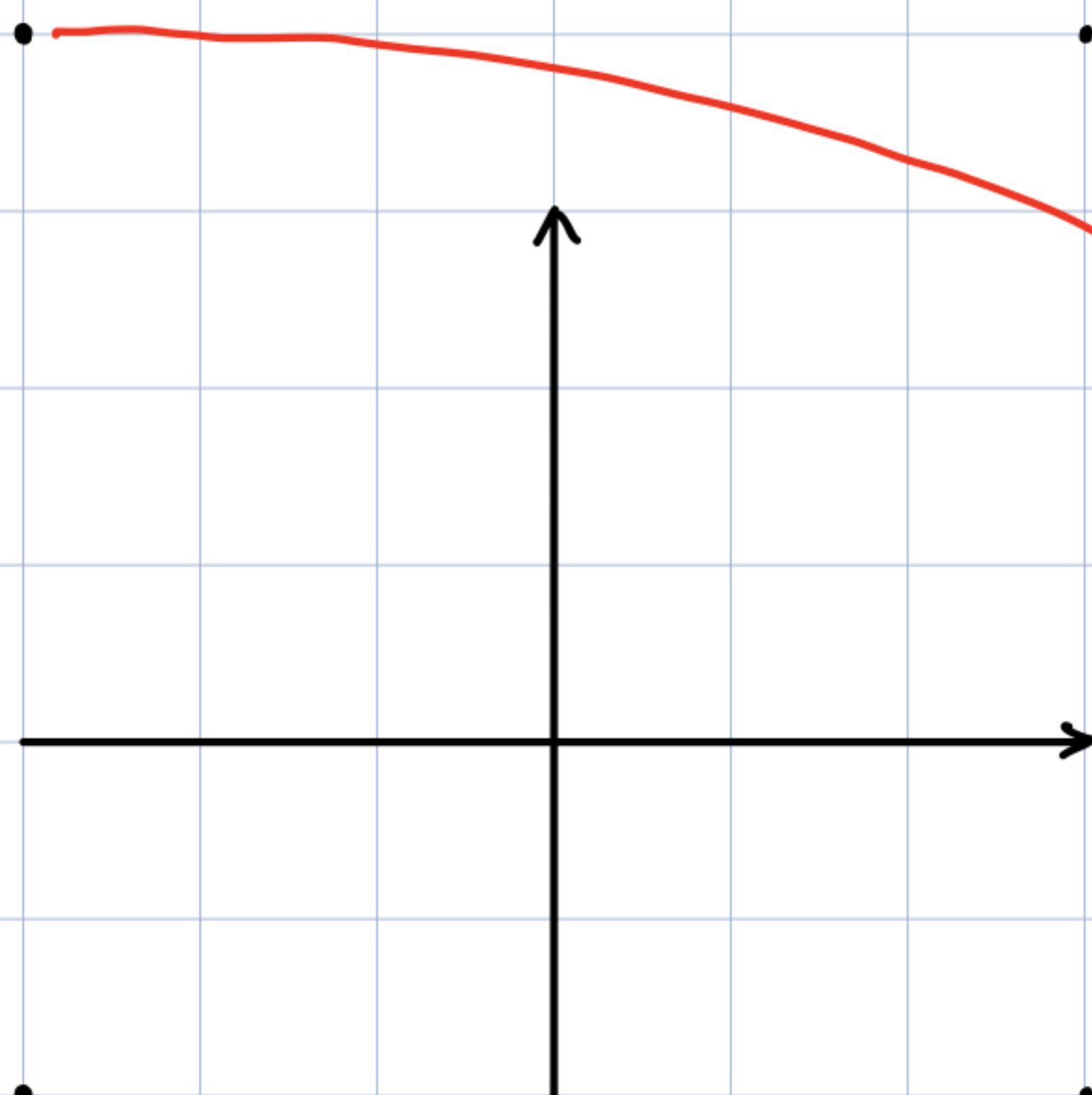


①



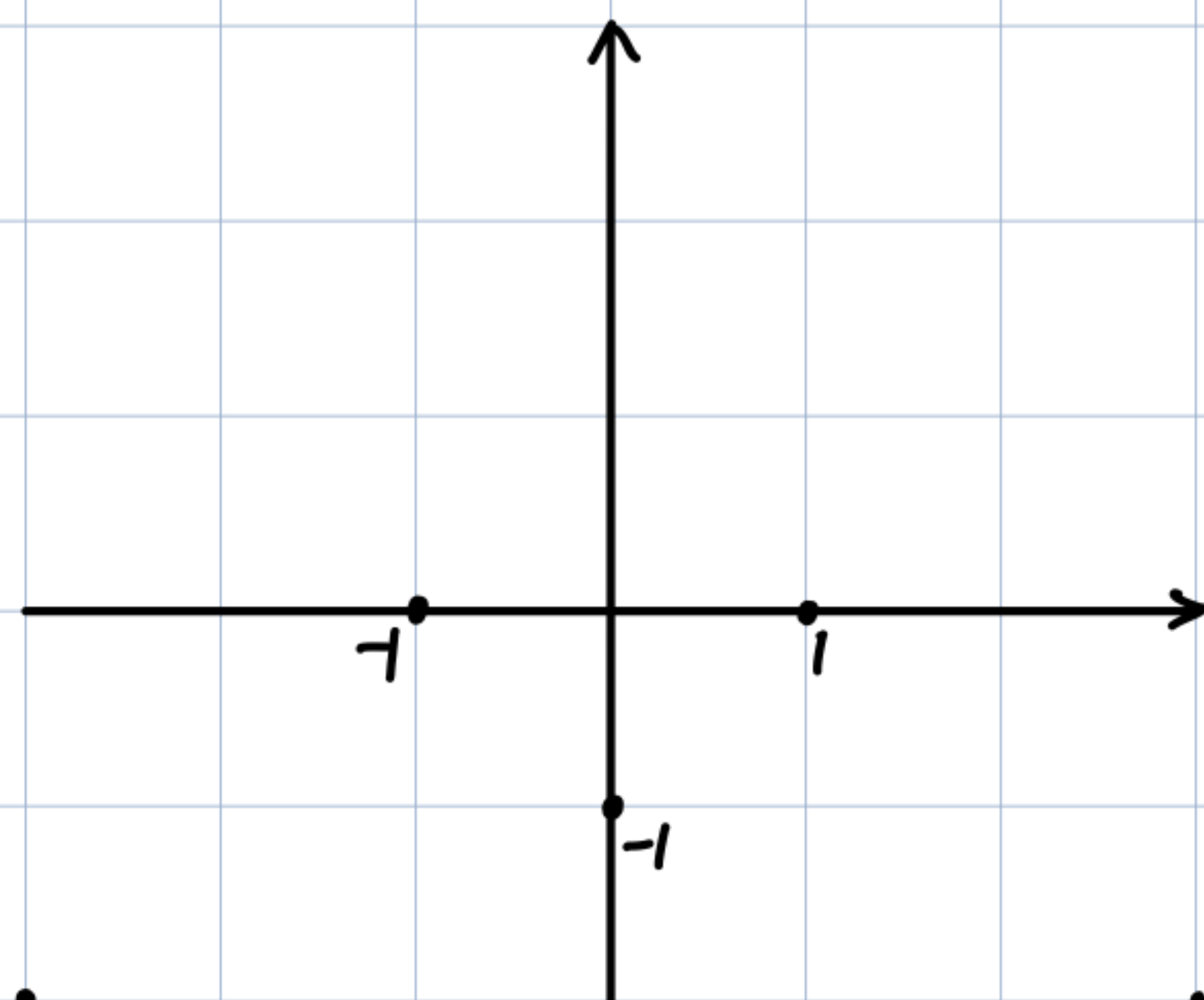
no asymptote

$$\lim_{x \rightarrow \infty} f(x) = \infty$$

$$\lim_{x \rightarrow -\infty} f(x) = -\infty$$

(these points are just indicators, the actual graph you plot does not have to pass them.)

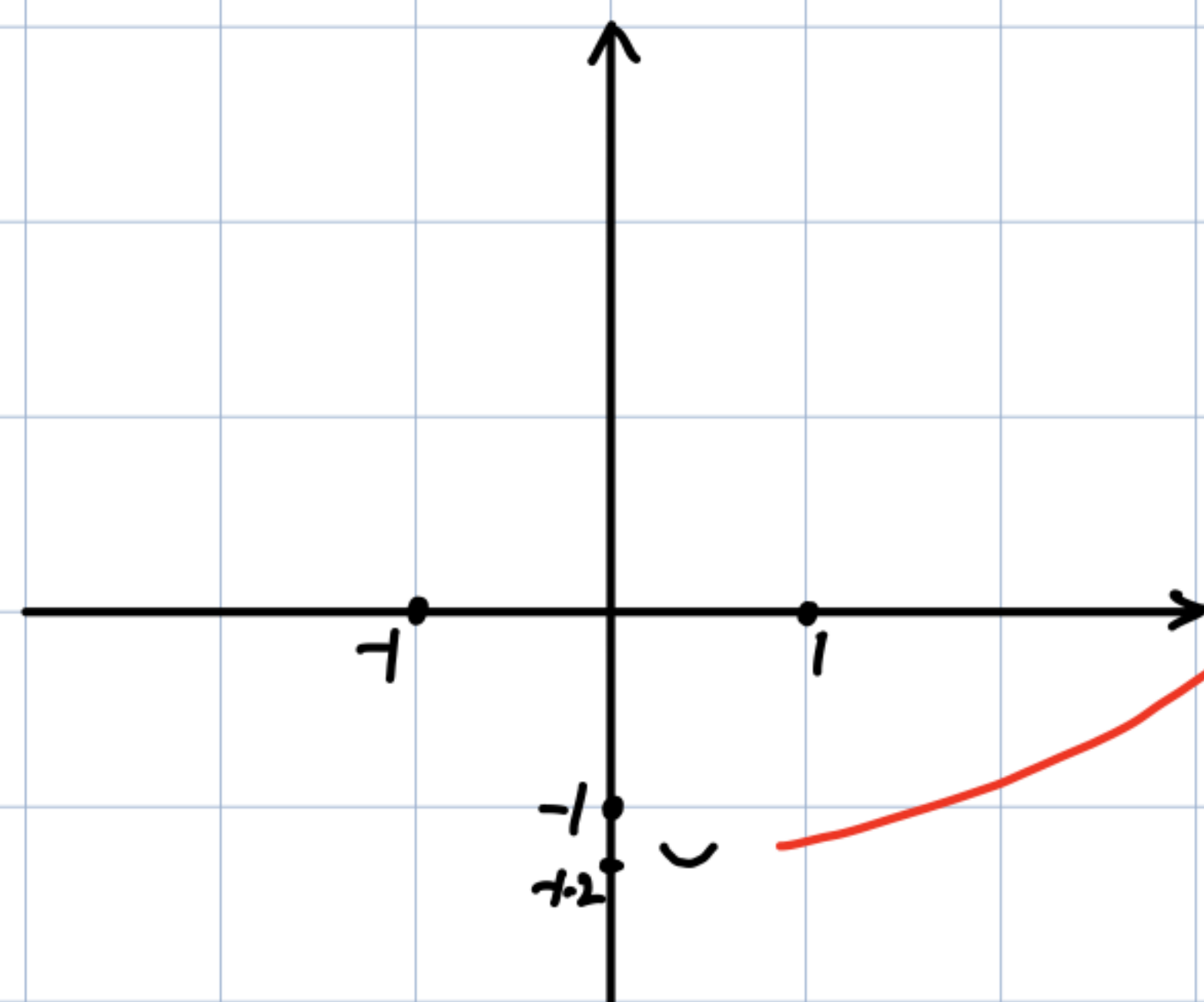
②



intercepts:

$$(-1, 0), (1, 0), (0, -1)$$

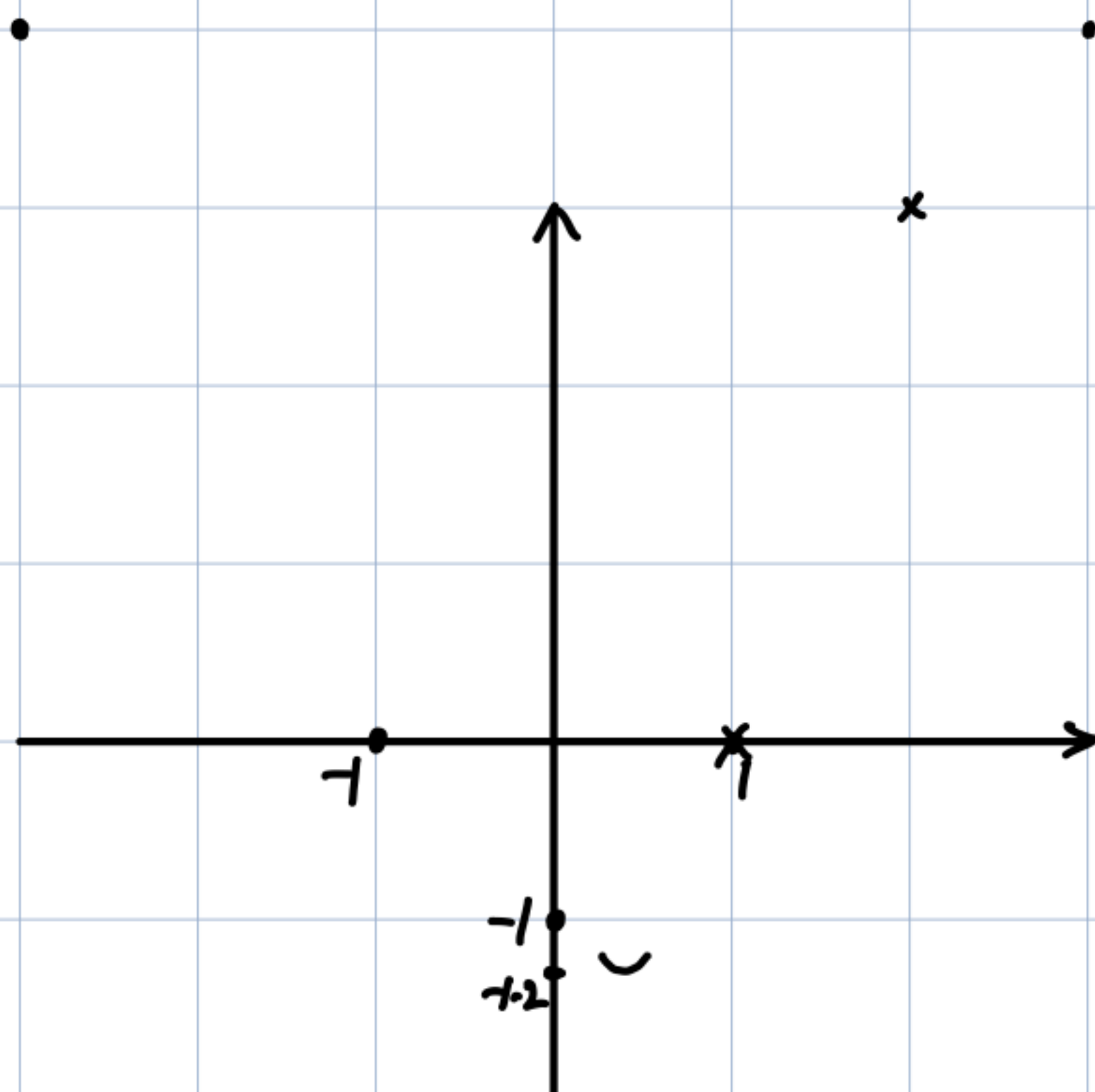
③



local minimum at

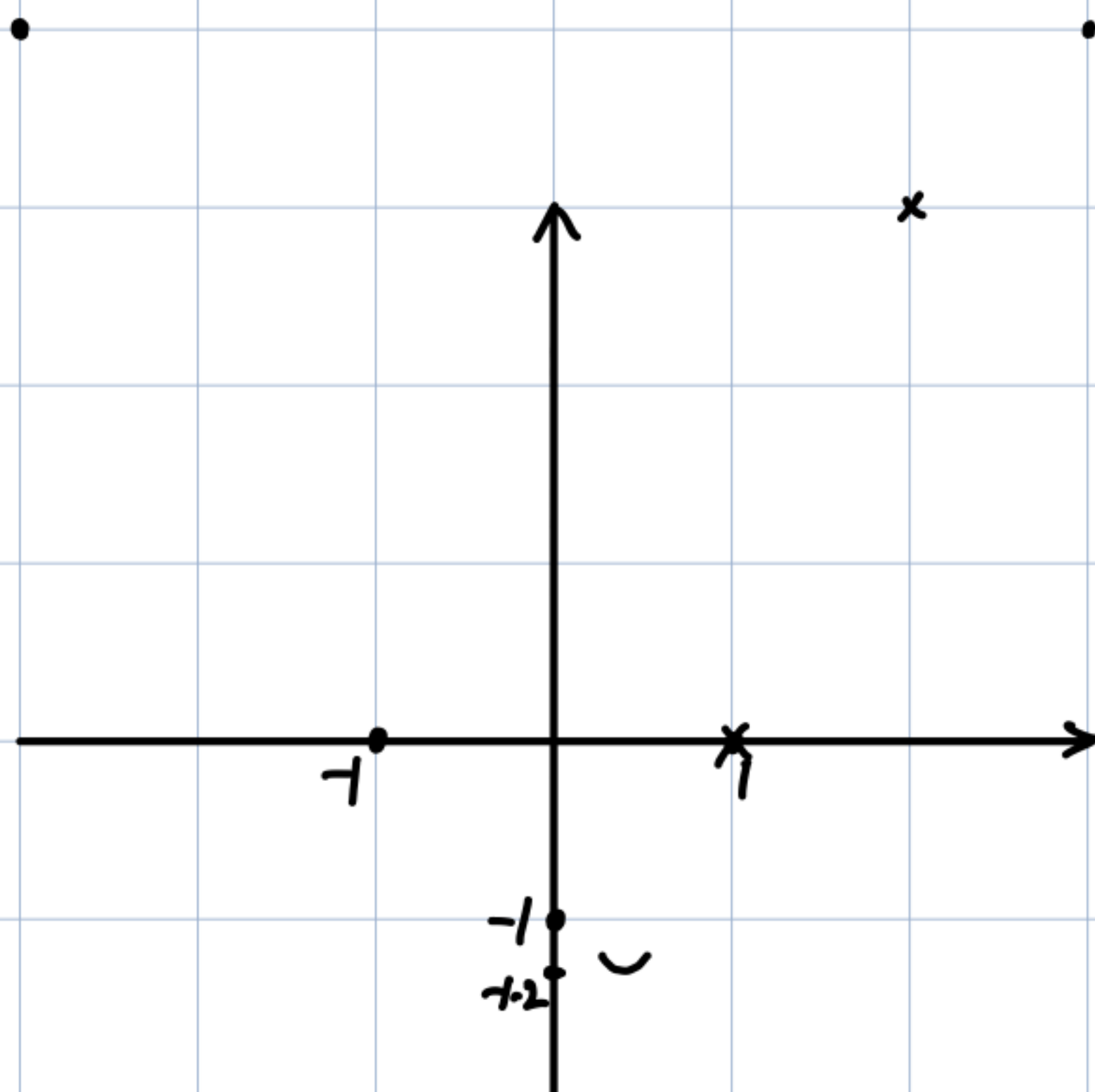
$$(\frac{1}{2}, -1.2)$$

④



inflection points:
 $(1, 0)$, $(2, 3)$

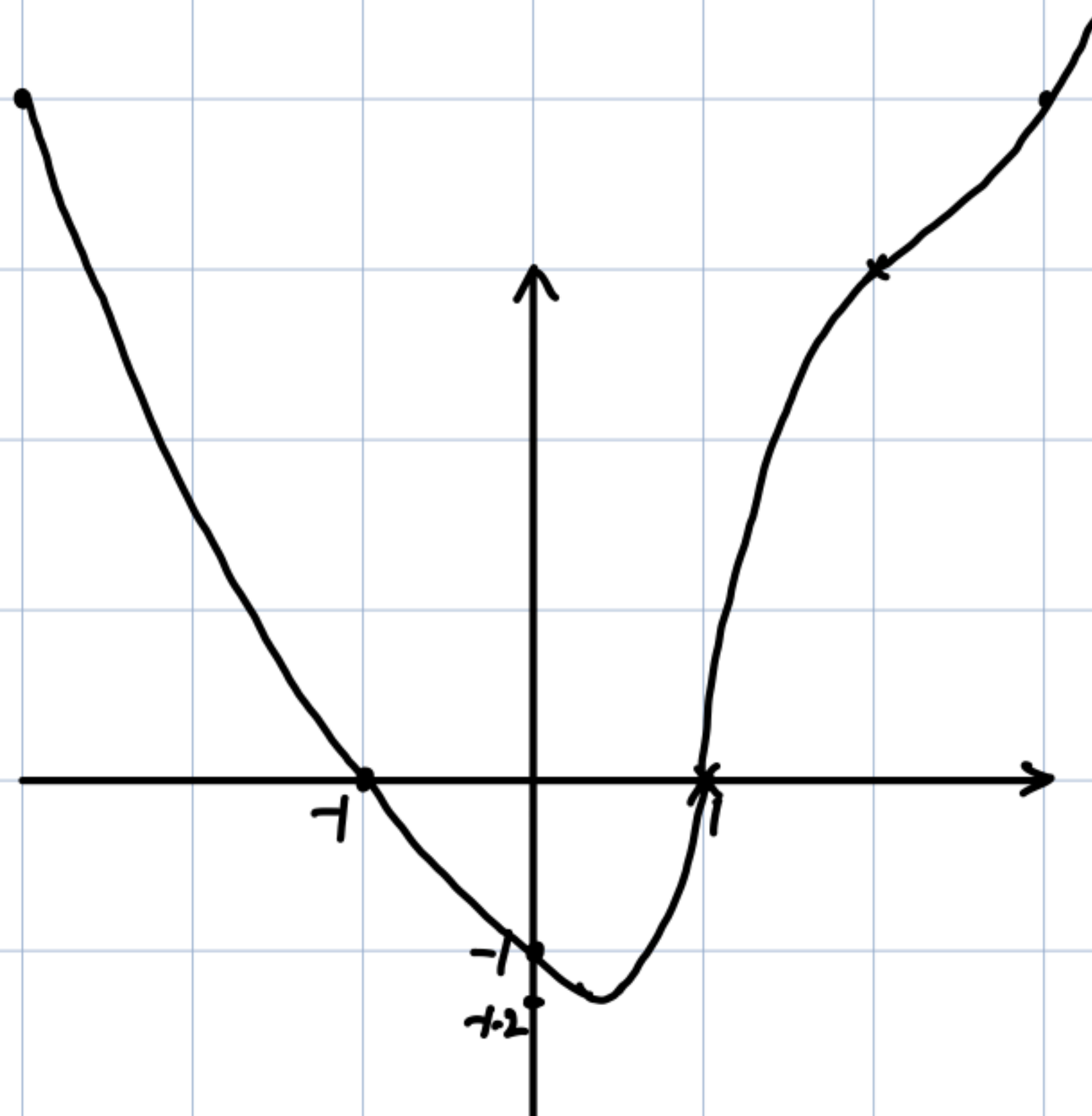
⑤



label intervals of
 in/decreasing and concave
 up/down



⑥



finish up

