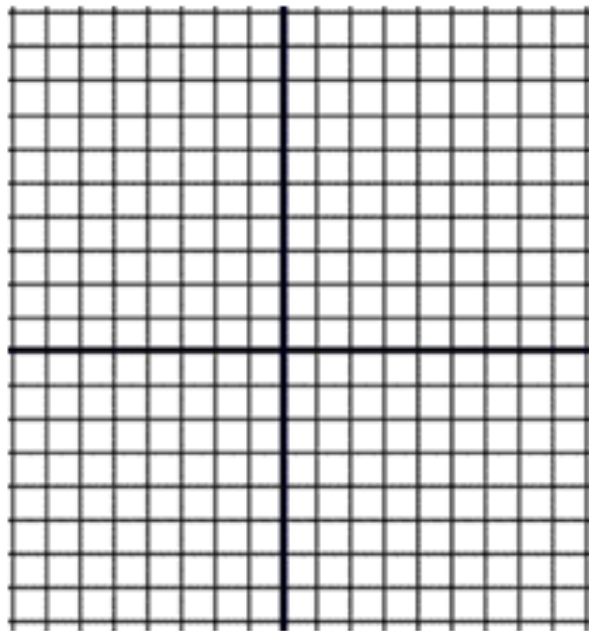


Ex1a)

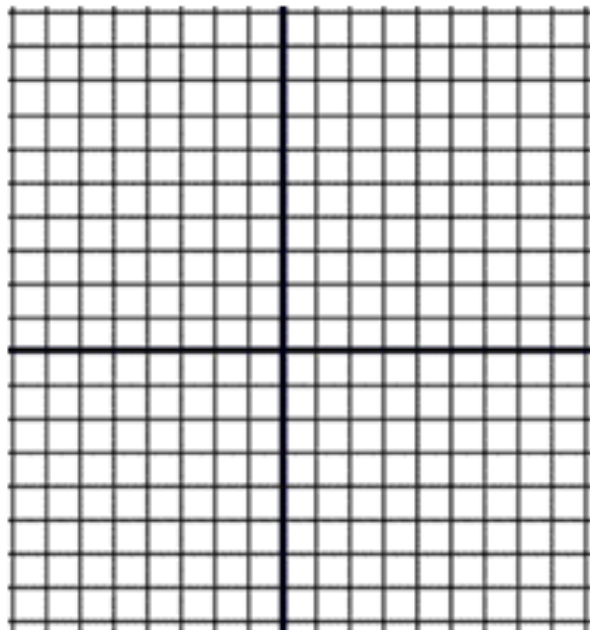
Graphing a Step Function

$$f(x) = \begin{cases} 3, & \text{if } x < 2 \\ -2, & \text{if } x \geq 2 \end{cases}$$

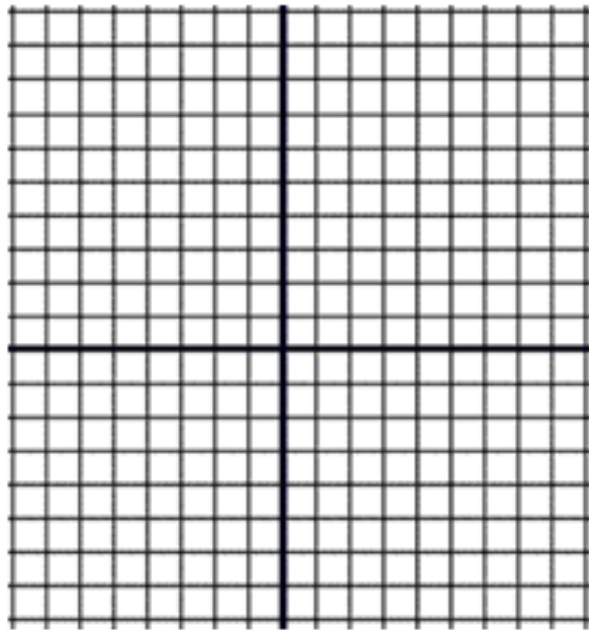


Ex1b)

$$f(x) = \begin{cases} 5, & \text{if } x \leq -4 \\ 2, & \text{if } -4 < x < 4 \\ -1, & \text{if } x \geq 4 \end{cases}$$



Ex2a) Graph this function: $f(x) = \begin{cases} 1, & \text{if } 0 \leq x < 1 \\ 2, & \text{if } 1 \leq x < 2 \\ 3, & \text{if } 2 \leq x < 3 \\ 4, & \text{if } 3 \leq x < 4 \end{cases}$



Ex2b)

$$f(t) = \begin{cases} 3, & \text{if } 0 < t \leq 0.5 \\ 6, & \text{if } 0.5 < t \leq 1 \\ 8, & \text{if } 1 < t \leq 12. \end{cases}$$

