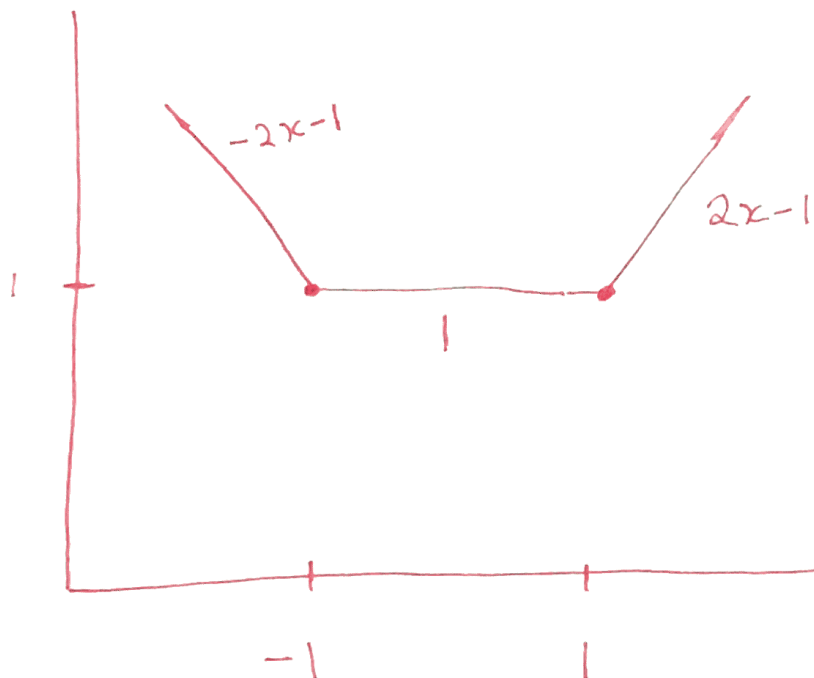


name: _____

Solution

1 (10 points). Graph the function

$$f(x) = \begin{cases} -2x - 1, & x < -1; \\ 1, & -1 \leq x \leq 1; \\ 2x - 1, & x > 1. \end{cases}$$



- End of $-2x-1$ is at $-2(-1)-1=1$
- Start of $2x-1$ is at $2(1)-1=1$