

$$f(x) = \begin{cases} 2, & -2 \leq x \leq -1 \\ x^2, & -1 < x < 0.5 \\ 2x - 0.75, & 0.5 \leq x \leq 2.5 \\ -x^2 + 7x - 7, & x > 2.5 \end{cases}$$



