$$f(x) = \begin{cases} 2x & \text{if } 0 \le x < 1 \\ 0 & \text{if } 1 \le x \le 3 \\ 2x - 6 & \text{if } 3 < x < 5 \\ 0 & \text{if } 5 \le x \le 8 \\ 2x - 16 & \text{if } 8 < x \le 10 \end{cases}$$

$$f(x) = \begin{cases} 2x & \text{if } 0 \le x < 1 \\ 0 & \text{if } 1 \le x \le 3 \\ 2x - 6 & \text{if } 3 \le x < 5 \\ 0 & \text{if } 5 \le x \le 8 \\ 2x - 16 & \text{if } 8 \le x \le 10 \end{cases}$$

$$f(x) = \begin{cases} 3 & \text{if } x \le 1 \\ 1 & \text{if } 1 < x < 2 \\ -1 & \text{if } 2 \le x \le 4 \\ 2 & \text{if } 4 < x \le 7 \end{cases}$$

$$f(x) = \begin{cases} 2 & \text{if } -3 \le x < -1 \\ -2x & \text{if } -1 \le x < 0 \\ 2x & \text{if } 0 \le x < 2 \\ 4 & \text{if } x \ge 2 \end{cases}$$

$$f(x) = \begin{cases} 4 & \text{if } -3 \le x < -1 \\ -2x & \text{if } -1 \le x < 0 \\ 2x & \text{if } 0 \le x < 2 \\ 2 & \text{if } 2 \le x < 6 \end{cases}$$

$$f(x) = \begin{cases} 4 & \text{if } -3 \le x < -1 \\ -2x & \text{if } -1 \le x \le 0 \\ 2x & \text{if } 0 < x < 2 \\ 2 & \text{if } 2 \le x < 6 \end{cases}$$

$$f(x) = \begin{cases} 1 & \text{if } -3 \le x \le 0 \\ x^2 & \text{if } 0 \le x \le 2 \\ 0 & \text{if } x \ge 2 \end{cases}$$

$$f(x) = \begin{cases} x^2 & \text{if } x \ge 0 \\ -x^2 & \text{if } x < 0 \end{cases}$$