Exercise 50

For the following exercises, determine whether the function is odd, even, or neither.

$$f(x) = (x-2)^2$$

Solution

Plug in $-x$ for x and see if the result is either $f(x)$ or $-f(x)$.

$$f(-x) = (-x-2)^2 = (x+2)^2 \neq f(x)$$
$$\neq -f(x)$$

Therefore, the function is neither even nor odd.