2010 Q10

10. The diagram below shows part of the graph of a function \( f(x) \). State whether \( f(x) \) is odd, even or neither. Fully justify your answer.

Answer

The graph is not symmetrical about the \( y \)-axis (or \( f(x) \neq f(-x) \))
so it is not an even function.
The graph does not have half-turn rotational symmetry (or \( f(x) \neq -f(-x) \))
so it is not an odd function.
The function is neither even nor odd.