

## Exercise 56

In Exercises 47–62, say whether the function is even, odd, or neither. Give reasons for your answer.

$$h(t) = |t^3|$$

### Solution

The function is even because

$$\begin{aligned} h(-t) &= |(-t)^3| \\ &= |-t^3| \\ &= |t^3| \\ &= h(t). \end{aligned}$$

This is reflected in the graph by the symmetry about the  $y$ -axis.

