## Exercise 55

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

$$h(t) = \frac{1}{t-1}$$

**Solution**

The function is neither even nor odd because

$$h(-t) = \frac{1}{(-t)-1} = \frac{1}{-t-1} = -\frac{1}{t+1} \neq h(t)$$

$$\neq -h(t).$$

This is reflected in the graph by the lack of symmetry about the $y$-axis or origin.