Exercise 5

For the following exercises, points $P(1,1)$ and $Q(x,y)$ are on the graph of the function $f(x) = x^3$.

Use the values in the right column of the table in the preceding exercise to guess the value of the slope of the tangent line to f at $x = 1$.

Solution

The slope of the tangent line to f at $x = 1$ is 3.