BEWERTUNG 100 %

Herzlichen Glückwunsch! Sie haben bestanden!

ZUM BESTEHEN 75 % oder höher

Practice quiz on Tangent Lines to Functions

GESAMTPUNKTZAHL 2

- 1. Suppose that $f:\mathbb{R} \to \mathbb{R}$ is a function. Which of the following expressions corresponds to f'(2), the slope 1/1 Punkten of the tangent line to the graph of f(x) at x=2?
- Practice quiz on Tangent Lines to Functions Übungsquiz • 10 min

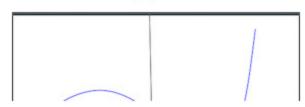
$$\bigcirc f'(2) = 2$$

$$igotimes f'(2) = \lim_{h o 0} rac{f(2+h) - f(2)}{h}$$

Richtig

This expression can be obtained from the first screen of our video by plugging in 2 for a.

2. Suppose that $h:\mathbb{R}\to\mathbb{R}$ is a function whose graph is shown as the blue curve in the figure. For how many values of a is h'(a) = 0?



Practice quiz on Tangent Lines to Functions

Übungsquiz • 10 min



 \bigcirc 3

) Never

Always

2

Richtig

h'(a) gives the slope of the tangent line to the graph of h at the point x=a.

When h'(a)=0, this means that the tangent line is horizontal.