

Bestimme die Steigung der Funktion an der Stelle x mit Hilfe der h-Methode.

a)

$$f(x) = x^2 + 2, x = 3$$

$$f(x) = x^2 + 2x - 3, x = -1$$

c)

$$f(x) = -2x^2 - x, x = 1$$

$$f(x) = -3x^2 + 4x - 1, x = -1$$

b)

$$f(x) = x^2 + 3x - 2, x = 4$$

$$f(x) = 3x^2 - x + 1, x = 1$$

d)

$$f(x) = 2x^2 + 3x - 5, x = 2$$

$$f(x) = x^3 + 2x + 2, x = 0$$

Lösungen

a)

$$m = 6$$

$$m = 0$$

b)

$$m = 5$$

$$m = 11$$

c)

$$m = -5$$

$$m = 10$$

$$m = 11$$

$$m = 2$$