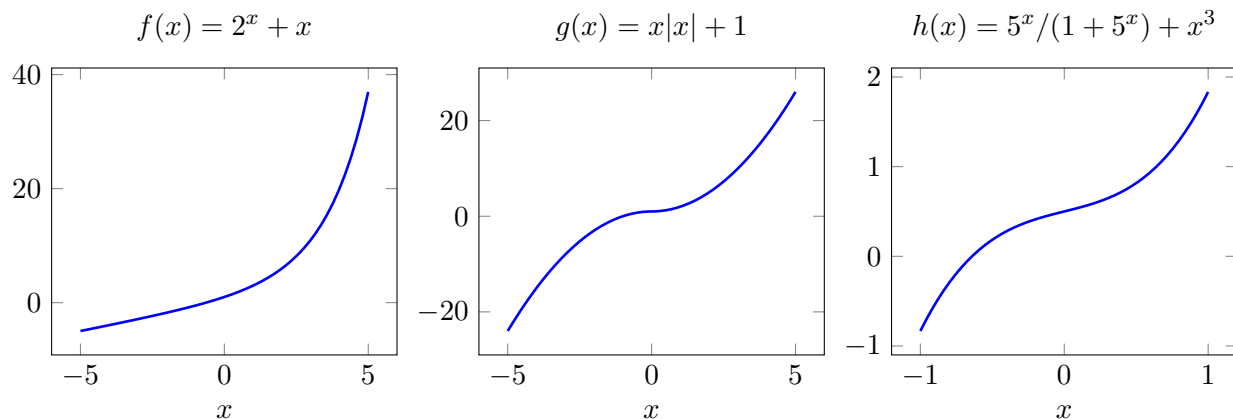
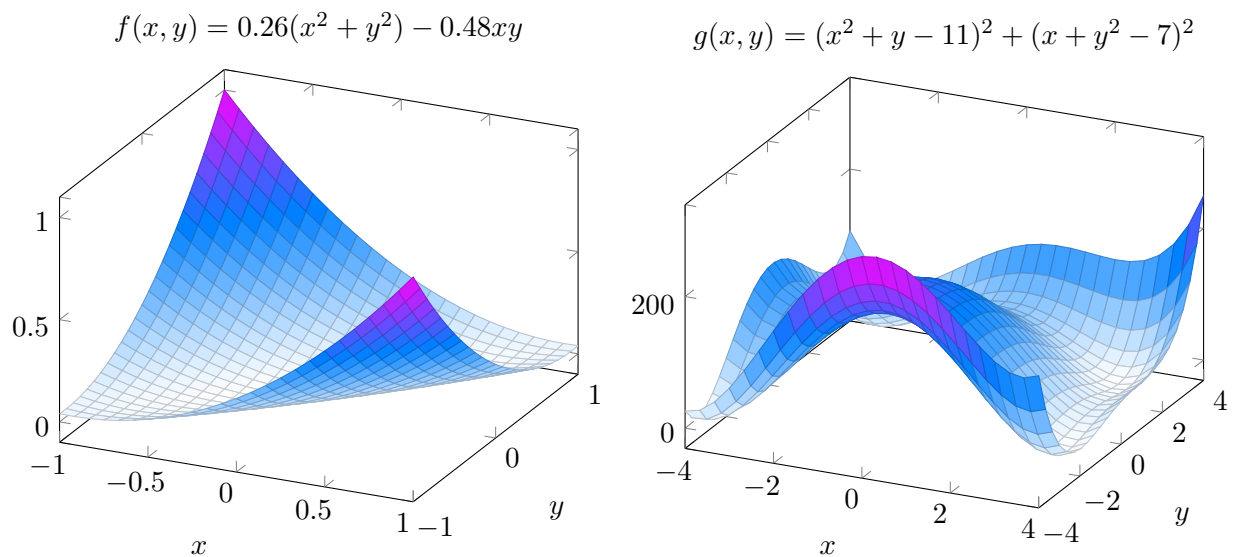


Exercise 1. Consider the functions $f(x)$, $g(x)$ and $h(x)$ below,



Write Python code to evaluate them at points $x \in \{-4/5, 0, +4/5\}$.

Exercise 2. Consider the functions $f(x, y)$ and $g(x, y)$ below,



Write Python code to evaluate them at point $(x, y) \in \{(0, 0), (1, 0), (0, 1), (1, 1), (-1, 0), (0, -1), (-1, -1)\}$.

Exercise 3. Consider the following functions:

$$\rightsquigarrow f(x, y) = \sin(y)e^{\left\{ [1 - \cos(x)]^2 \right\}} + \cos(x)e^{\left\{ [1 - \sin(y)]^2 \right\}} + (x - y)^2;$$

$$\rightsquigarrow g(x, y) = -(y + 47) \sin \left[\sqrt{|x/2 + (y + 47)|} \right] - x \sin \left[\sqrt{|x - (y + 47)|} \right].$$

Write Python code to evaluate them at any point (x, y) of your choice.