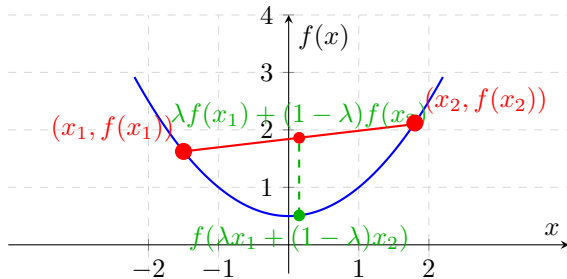


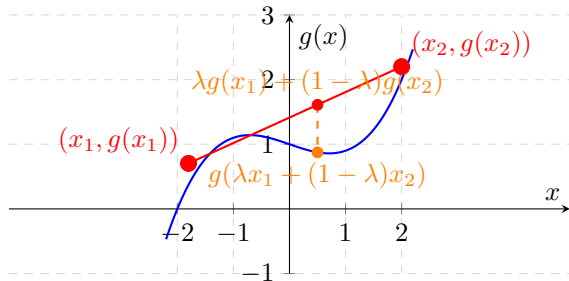
Convex Function



Convex:

$$f(\lambda x_1 + (1 - \lambda)x_2) \leq \lambda f(x_1) + (1 - \lambda)f(x_2)$$

Non-Convex Function



Non-Convex:

(inequality violated)