Gradient Descent: Questions to Ponder

- Suppose $\eta = 0.1$ works well for f(x), what about g(x) = f(10x)?
 - Do we want bigger steps or smaller steps?
 - How does the magnitude of the gradient compare between g(x) and f(x)?
 - How does the Lipschitz constant compare between g(x) and f(x)?

Send your answer to: sysucsers@163.com titled "ml&dm-hw1-name-sid" by 23:59, March 17th, 2021.