Quiz 3 Cheat Sheet

Vf = Dx, e, + Df ez t... + Df ed Vf = Rd > Rd & f : Rd > R

Vuf(x) = < Vf(x), 4>

Goal: min f(x) and/or x* = argmin f(x)

O: Initialize x(0) = Xstart eRd, K=G

1: Repeat $\alpha^{(k+1)} = \alpha^{(k)} - \delta_k \nabla f(\alpha^{(k)}), K=K+1$

until: UVf(x(k)) 11 = T or K=T

2: Return x(k)