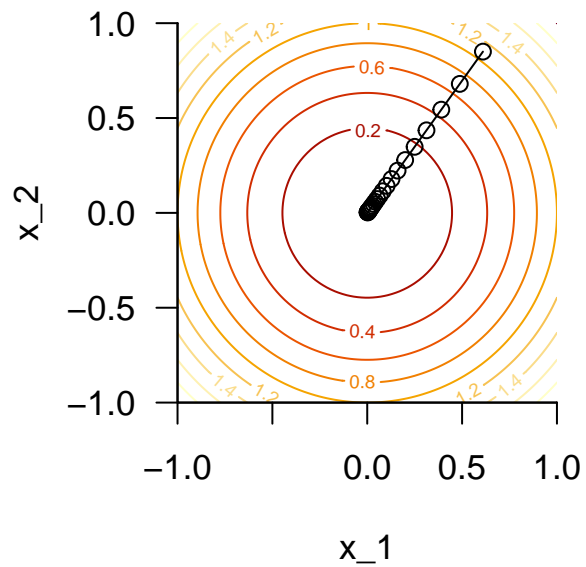
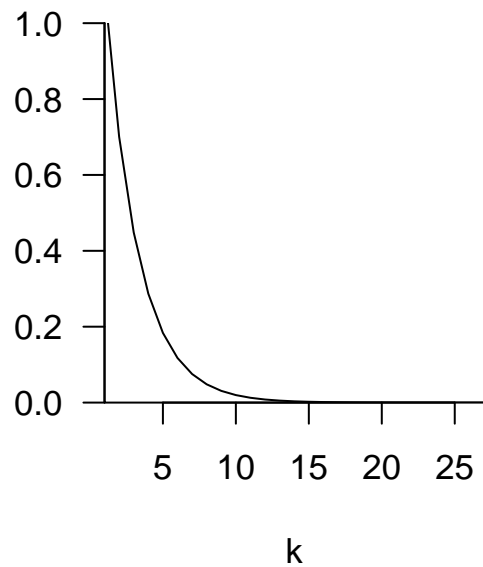


$f(x)$  $f(x^k)$  $\|\nabla f(x^k)\|$ 