5) c*(y) = max {xy - c(x)} show this is convex w.r.t. y convex func: f(x) is convex if & only if $f(x \times 1 + (1 - \lambda) \times 1) = \lambda f(x, 1 + (1 - \lambda) f(x_1)$ Yx,xz EX, YX E [O, 1] die(y) = x (coly) is linear w.n.t. y dic*(y) = 0 1. cower work to y