X= (-2,-4) d= distance Power = P(x) or I trousmitter (X) receiver (X,) (max. this) C,(x)=-x2-(x2+4)2+16=0 Constraints: (2(x)= x,-x2-6=0 'b) Cost function a) $f(x) = d^2 = |x_r - x_t|^2 = (x_{r,t} - (-1))^2 + (x_{r,2} - (-4))^2$ min |xr-xt|2 $x_r \in \{x_r \in \mathbb{R}^2 \mid C_i(x_r), C_2(x_r)\}$ Df(10,-61) = (-4) $\nabla \mathcal{C}(x,y)^T dt = (y - y) \left(\frac{dy}{dy}\right) = y dy - y dy \geq 0$ since do Ed, () Solve graphically