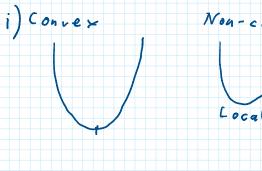
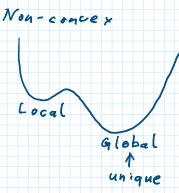
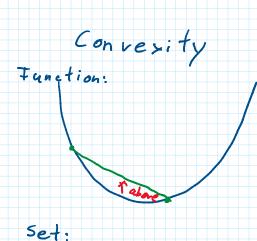
$$\vec{y} = A \vec{x} = \sum_{j} A_{ij} x_{j}$$

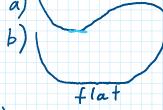
$$y_{i} = (A \vec{x})_{i} = \sum_{j} A_{ij} x_{j}$$













no global minimum

Random variables A, B, C

$$p(a|b,c) = p(A=a|B=b, C=c)$$

$$p(a) = f_A(a)$$

$$p(a) = p(A=a)$$

Sum rale
$$p(a) = \sum_{b} p(a,b)$$

$$p(sick) = p(sick|pan)p(pandemic) + p(sick|7pandemic)p(7pandemic)$$

$$\frac{p(oduct rale)}{p(a,b) = p(a|b)p(b)}, if a & b independent! p(a,b) = p(a)p(b)$$

What if $p(b,c)=0^2$. p(a,b,c)=p(a|b,c)p(b,c)b ill defined b