Problem 1
$$iB = (1, 1, ... 1)^T$$

(a) minimize
$$1^Ty$$

Subject $tD - y \le Ax - b \le y$
 $-1 \le x \le 1$

(b) minimize
$$Iy$$

Subject to $-1 \le Ax - b \le 1$
 $-y \le x \le y$

10) minimize
$$1^{T}y + M$$

Subject to $-y \le Ax - b \le y$
 $-m1 \le x \le m1$

Problem 2

minimize
$$||Ax-b||_4 = \left(\frac{2^m}{1-1}(a_1^Tx-b_1)^4\right)^{\frac{1}{4}}$$
 grafize $||Ax-b||_4 = \left(\frac{2^m}{1-1}(a_1^Tx-b_1)^4\right)^{\frac{1}{4}}$ grafixe $||Ax-b||_4 = \left(\frac{2^$

Problem 3.

$$a \ge b \ge c \ge d \ge o$$
, $a + b + c + d = 1$ ideal $a = a + b = c + c + d = 1$ ideal $a = b + c + c + d = 1$ ideal $a = b + c + d = 1$ ideal $a = b + c + d = 1$ in $(a^2 + b^2 + c^2 + d^2) \ge (a + b + c^2 + d^2)$

PS: 题目中不及号符号反3