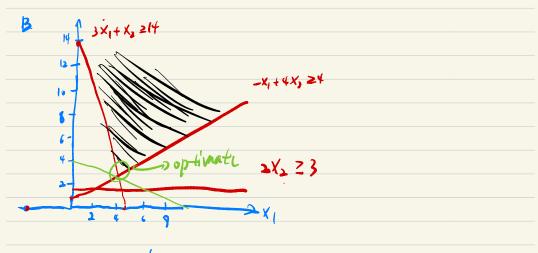
Question 1: B, O, E

Question 2:

A:

Let  $X_1$ : number of TV Ap  $X_2$ : number of  $P_{rint}$  MagazineObjective: Min  $Joegoo X_1 + 7Jeogo X_2$ St.  $1X_2 = 23$  (sedan)  $3X_1 + X_2 \ge 4$  (suv)  $-X_1 + 4X_2 \ge 4$  (track)  $X_1 + X_2 \ge 7$ 



C.  $-X_1 + 4X_2 = 4 - 60 \times 3$   $3X_1 + X_2 = 14 - 60$   $-3X_1 + 12X_3 = 12$  $3X_2 = 26$ 

 $x_{2}=2$   $x_{1}=4$ 

Aus: X1=4 X2=2

Question 3 = A Let X1: number of Razors produced

X2: number of Zoomers produced

Objective Max 70x + 40x2 st. Xit x2 = 700 x1-x2 = 300 1x1+x2 <900 3x, +4x, =2400 X1, X2 >0 B 1×1+ /2 5 400 optimate X1-X3 630 3x,+4x, 5,400