```
11 Aug 23
                     Worksheet 6
Pizza=x Sandwich=x
X = [x, y]
 F(x) = 25x + 15y
 (on straints: 8x + 3y & GO
                                                                        X + Y 4 10
A=[[8,3],[1,1]] b=[60,10] Ax \\
[8,3] [x] \

                                                                                                             Y = 0:
  X=0:
                                                                                                                 8x + 3(0) = 60
         8(0)+3y=60
         Y=20 (cannot exceed 10) X=7.5 27
                                                                                                                  = (7,0)=$175
  = (0,10) = $150
                                                                                          7 Y= (GO-8(G))
     8x+3y=60
      3y = 60-8x
         Y = (60-8X)
                                                                                          (6,4) = 25(6)+15(4)
      X+Y=10
                                                                                          BCS+ 800+1+ = $210
     X+(60-8x) = 10
                                                                                                6 Pizza's
  60-8X = 10-X
                                                                                                 4 Sandwiches
     60-6X=30-3X
      -5x = -30
          X=6
                                                                                                                       Pizza Sandwich Available
                                                                                       Time
```