3.

A. 10X+10Y=500

B.-1

C.11X+10Y=500

D.8X+10Y=500

E.10X+10Y=500

F.10(X-10)+10Y=500, X≥10

10Y=500 , X<10

G. 10X+10Y=500 X≦ 30

10 x 30+10(X-30)+10Y=500

H.10X+10Y=500 X≦ 30

10 x 30+5(X-30)+10Y=500 X>30

4.

A 方案一 60X+100Y=6400-200=6200

B 方案二 8(X-5)+100Y=6200 100Y=6200 X≦ 5

C 方案三 80X+100Y=6400 X≦ 50

100Y=2400 5<X≦ 55

80X+100Y=6800 55≦ X