NO.
DATE / /

Budget Constraint <預算線值>

3 (A) $P_X X + P_Y Y = M$ $10X + 10Y = 500$

(B) $X + Y = 50$ $Y = -X + 50$, 斜率 $= -1$

(C) $10(1+0.1)X + 10Y = 500$

$11X + 10Y = 500$.

(D) $10(1-2)X + 10Y = 500$

$-10X + 10Y = 500$ $-X + Y = 50$

(E) $P_X X + P_Y Y = M - T$

$10X + 10Y = 500 - 100$ $X + Y = 40$.

(F) $(P_X + t)X + P_Y Y = M$

$(10+10)X + 10Y = 500$ $2X + Y = 50$

(G) $P_X X + P_Y Y = M$ $30 \times 10 + 12(X-30) + 10Y = 500$

$10X + 10Y = 500$ $0 \le X \le 30$ $X > 30$

(H) $10X + 10Y = 500$ $0 \le X \le 30$

$10 \times 30 + 5(X-30) + 10Y = 500$ $X > 30$

4 $200Y + 80X = 6400$

(A) $200 + 60X + 200Y = 6400$

$60X + 200Y = 6400$

(B) $Y = 31$ $X \le 5$ $0 \times 5 + 80(X-5) + 200Y = 6200$

$80X + 200Y = 5800$ $X > 5$

(C) $80X + 200Y = 6400$ $X \le 50$

$80 \times 50 + 0 \times 5 + 80(X-55) + 200Y = 6400$

$4000 + 80X - 4400 + 200Y = 6400$ $80X + 200Y = 6800$ $X > 55$