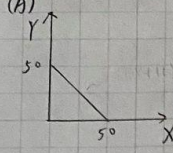
A108260063 曾品潔

3. $P_X = P_Y = 10$、$M = 500$、$10X + 10Y = 500$

(A)



$\rightarrow 10X + 10Y = 500$ #

(B) 斜率 $= \frac{0-50}{50-0} = -1$

(C) $(P_X + 7)X + P_Y Y = M$

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

$\rightarrow 11X + 10Y = 500$

(D) $(P_X - 5)X + P_Y Y = M$

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

$\rightarrow 8X + 10Y = 500$

(E) $10X + 10Y = 400$

(F) $\begin{cases} 10(X-10) + 10Y = 500, & X \geq 10 \\ 10Y = 500, & X < 10 \end{cases}$

(G) $\begin{cases} 10X + 10Y = 500, & X \leq 30 \\ 10 \times 30 + 12(X-30) + 10Y = 500, & X > 30 \end{cases}$

(H) $\begin{cases} 10X + 10Y = 500, & X \leq 30 \\ 10 \times 30 + 5(X-30) + 10Y = 500, & X > 30 \end{cases}$

4. $200X + 80Y = 6400$

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

$\rightarrow 60X + 200Y = 6200$

(B) $\begin{cases} 80(X-5) + 200Y = 6400 - 200 = 6200, & X > 5 \\ 200Y = 6200, & X \leq 5 \end{cases}$

(C) $\begin{cases} 80X + 200Y = 6400, & X \leq 50 \\ 200Y = 2400, & 50 < X \leq 55 \\ 80X + 200Y = 6800, & 55 < X \end{cases}$