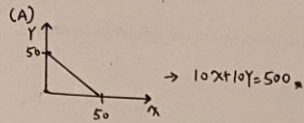


3. $P_x = P_y = 10$. $M = 500$. $10x + 10y = 500$



(B) 斜率 = $\frac{0-50}{50-0} = -1$

(C) $(P_x + t)x + P_y y = M$
 $(10+1)x + 10y = 500$
 $\rightarrow 11x + 10y = 500$

(D) $(P_x - s)x + P_y y = M$
 $(10-2)x + 10y = 500$
 $\rightarrow 8x + 10y = 500$

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

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