3. (A) $10x + 10y = 500$

(B) $\dfrac{-500 \div 10}{500 \div 10} = -1$

(C) $\cancel{6} \, 11x + 10y = 500$

(D) $8x + 10y = 500$

(E) $10x + 10y = 600$

(F) $10x + 10y = 400$

(G) $\cancel{+y}$ $12x + 10y = 500x - 230$

(H) $5x + 10y = 500, \; x \geq 30$

4. (A) $200x + 60y = 6200$ $\quad 20 + 3y = 310$

(B) $200x + 80y = 6400 - 200 + 80 \times 5$
$\quad 200x + 80y = 6600$

(C) $200x + 80y = 6400$
$\quad 200x + 80y = 6400 + 5 \times 80, \; x \geq 50$

$\quad = 6800$