

P_y decreases to P'_y - slope of budget line changes from

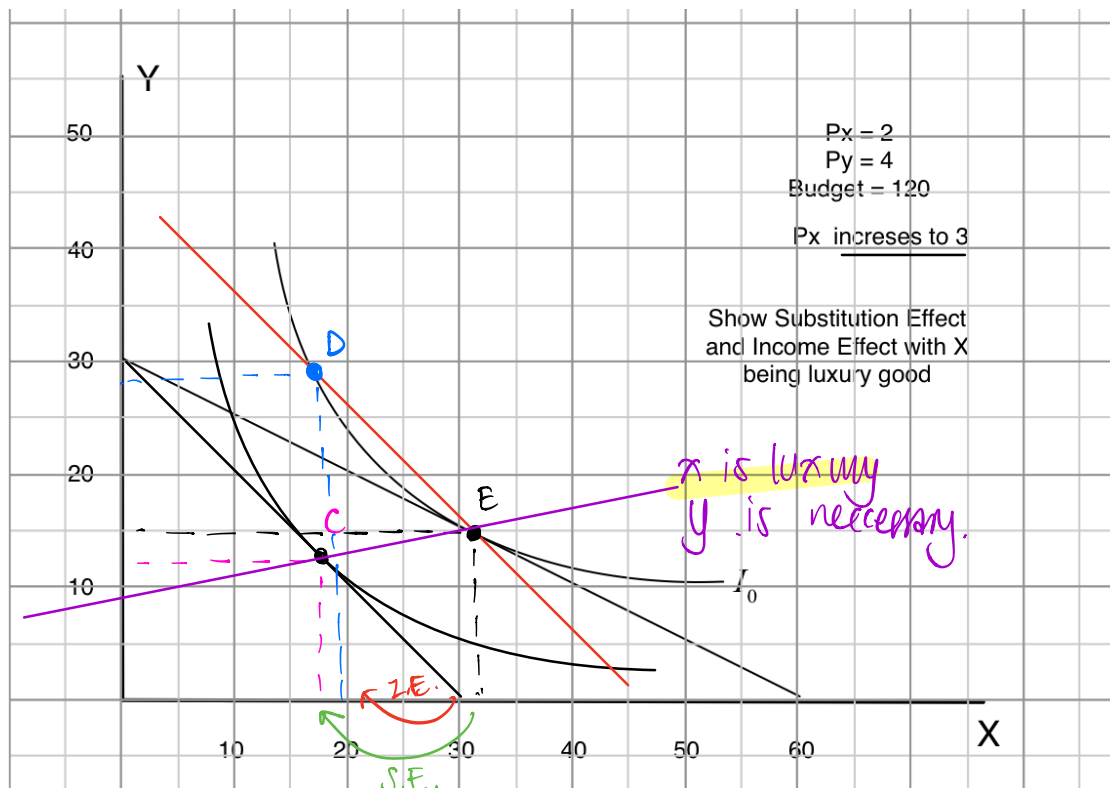
$$\frac{P_x}{P_y} = \frac{2}{4} = \frac{1}{2} \text{ to } \frac{P_x}{P'_y} = \frac{2}{3}$$

From E to G

Since the P_y or price of Y decreases to 3, this results in higher purchasing power of Y of consumers. (consumers could buy more of the same price). This causes substitution effect.

From E to F

Holding the budget constant, when the price of Y decreases, this makes the consumers feel richer and choose to consume more of both X and Y . This indicates income effect



P_x decreases to P'_x - slope of budget line changes from

$$\frac{P_x}{P_y} = \frac{2}{4} = \frac{1}{2} \text{ to } \frac{P'_x}{P_y} = \frac{3}{4}$$

From E to C

Due to the increase of price of x , the purchasing power of goods x decreases. (with the same amount of money, consumers can buy less of x). This causes substitution effect.

From E to D

With the increase of P_x , or price of x , the consumers feel poorer, and substitutes y for x . This is income effect