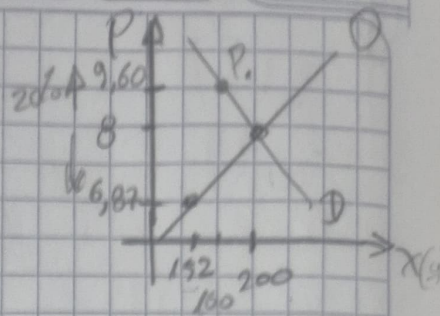


$$P_{precio} = 8$$

$$CANT = 200$$

$$COSTO = 6,87$$



DEMANDA

$$P_1(152, 9.60) \quad P_2(200, 8)$$

$$m =$$

$$Y - Y_1 = m(X - X_1)$$

$$m = \frac{8 - 9.60}{200 - 152}$$

$$m = -0.04$$

$$Y - 9.60 = -0.04(X - 152)$$

$$Y - 9.60 = -0.04X + 6.40$$

$$Y = -0.04X + 16$$

$$EC = \int_0^{P_2} CD - P_1$$

$$EP = \int_0^{P_1} P - CO$$

$$EC = \int_0^{200} (-0.04X + 16) - 8$$

$$EC = \int_0^{200} -0.04X + 8$$

$$EC = \left[-0.04 \frac{X^2}{2} + 8X \right]_0^{200}$$

$$EC = 800$$

OFERTA

$$P_1(152, 6.87) \quad P_2(200, 8)$$

$$m = \frac{Y_2 - Y_1}{X_2 - X_1}$$

$$Y - Y_1 = m(X - X_1)$$

$$m = \frac{8 - 6.87}{200 - 152}$$

$$m = 0.02$$

$$Y - 6.87 = 0.02(X - 152)$$

$$Y - 6.87 = 0.02X - 3.04$$

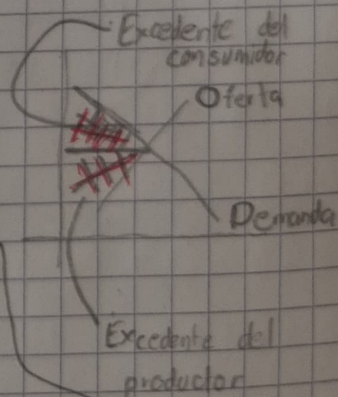
$$Y = 0.02X + 3.83$$

$$EP = \int_0^{200} 8 - (0.02X + 3.83)$$

$$EP = \int_0^{200} -0.02X + 4.17$$

$$EP = \left[-0.02 \frac{X^2}{2} + 4.17X \right]_0^{200}$$

$$EP = 434$$



es el ahorro del cliente

ganancia adicional



	$f: y = 0.02x + 3.83$	
	$g: y = -0.04x + 16$	
	$EM = \text{Interseca}(f, g)$ $= (202.833333333333, 7.88666666666667)$	
	$h: y = 8$	
	$EC = \text{IntegralEntre}(g, h, 0, 200)$ $= 800$	
	$EP = \text{IntegralEntre}(h, f, 0, 200)$ $= 434$	
	Entrada...	

