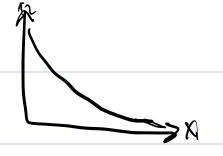
1) a.
$$y = f(x_1, x_2)$$



b)
$$f(x_1, x_2) = \chi^{1/2}_{1/2} \chi^{3/2}_{2}$$

C) MRS=
$$\frac{1}{2} \frac{1}{2} \frac{1}$$

a)
$$f(tx_1, tx_2) > +f(x_1, x_2)$$

b)
$$\frac{1}{32} = \frac{1}{2}(1)^{-1/2}(1)^{1/2} = \frac{1}{2}$$
 unit of orbut

5)
$$f_c(x_1, x_2) = min\{x_1, 2x_2\}$$

a)
$$f_c(x_1, x_2) = X_1 = 20$$
 $f_c(x_1, x_2) = 2x_2 = 20$ $X_2 = 16$

b)
$$f_{F}(x_1, x_2) = 2x_1 = 20$$
 $x_1 = 10$

$$f_{E}(x_{1}, x_{2}) = x_{2} = 20$$
 $x_{2} = 20$

a)
$$-\frac{6}{3} = -2$$

$$12L^{-1/3} = 6$$
 $L^{-1/3} = \frac{1}{2}$

$$L = \left(\frac{1}{z}\right)^3 = 8 \quad \boxed{L = 8}$$

400.4-50(16)

1600-800

$$\frac{3}{4\sqrt{x_2}}=3 \quad \sqrt{\frac{1}{x_2}}=1 \quad \boxed{\chi_2=1}$$