

(1) 
$$300:20x+10$$
 Y
$$\frac{\frac{1}{3}\chi^{\frac{3}{3}}\gamma^{\frac{1}{3}}}{\frac{2}{3}\chi^{\frac{1}{2}}\gamma^{\frac{1}{3}}} = \frac{\rho_{\chi}}{\rho_{\chi}} = \frac{\gamma}{2\chi}$$

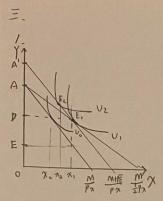
$$\Rightarrow \chi: 5 \quad \chi=20$$

$$\chi = 15, \ Y = 0$$
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4. (1) MRS 
$$y = \frac{1}{2} x^{2} = 2$$

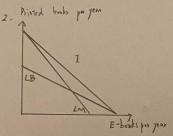
$$y = 4x \quad x = \frac{7}{4}$$
(2)  $y = 4x \text{ it } \lambda = 20x \text{ floy} = m$ 

$$60x = m \quad x = \frac{M}{60}$$



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