week 7

1. ① $\dfrac{Px}{Py} = \dfrac{2xy}{x^2} = \dfrac{10}{40} \Rightarrow x = 4y$

   ② $y = \dfrac{1}{4}x \xrightarrow{\text{代入}} x = \dfrac{M}{15}$

   ③ $\dfrac{2y}{x} = \dfrac{Px}{20} \Rightarrow y = \dfrac{Px}{40}x$

   $\xrightarrow{\text{代入}} 300 = Px \cdot x + 20\left(\dfrac{Px}{40}x\right) \Rightarrow x = \dfrac{200}{Px}$

   ④ 所得消費曲線以思格爾曲線 得知 x 財貨為正常財, 需求線 得知 x 財貨符合需求法則