

$$1. (1) y_d = y - (t_b - t_r) = y - 250 + 62.5 = y - 187.5$$

$$y = C + i + g = 100 + 0.8y_d + 50 + 200$$

$$y = 350 + 0.8y - 150$$

$$y = 1000$$

$$(2) \beta = 0.8 \quad \text{投资乘数: } k_i = \frac{\Delta y}{\Delta i} = \frac{\frac{1}{1-\beta}}{\frac{1}{\Delta i}} = \frac{1}{1-\beta} = \frac{1}{1-0.8} = 5$$

$$\text{政府支出乘数: } k_g = \frac{1}{1-\beta} = \frac{1}{1-0.8} = 5$$

$$\text{税收乘数: } k_t = \frac{-\beta}{1-\beta} = \frac{-0.8}{0.2} = -4$$

$$\text{转移支付乘数: } k_{tr} = \frac{\beta}{1-\beta} = \frac{0.8}{0.2} = 4$$

$$\text{平衡预算乘数: } 1$$

$$2. (1) \Delta y = 1200 - 1000 = 200$$

$$\Delta g = \frac{\Delta y}{k_g} = \frac{200}{5} = 40$$

$$(2) \Delta t = \frac{\Delta y}{k_t} = \frac{200}{-4} = -50$$

$$(3) 200$$

$$3. \because S = I$$

$$\therefore -(600 + 0.25y_1) = 400$$

$$y_1 = 8000$$

$$-(600 + 0.25y_2) = 600$$

$$y_2 = 8800$$

$$\Delta y = 8800 - 8000 = 800$$

# 数学作业纸

M.G  
明光文具

科目 \_\_\_\_\_

班级: \_\_\_\_\_

姓名: \_\_\_\_\_

编号: \_\_\_\_\_

第 \_\_\_\_\_ 页

4.

$$(1) y_d - y - t = y - 600$$

$$y = C + i + g = 1000 + 0.75(y - 600) + 800 + 750$$

$$y = 2550 + 0.75y - 450$$

$$y = 8400$$

$$y_d = 8400 - 600 = 7800$$

$$MPC = 1 - 0.2 = 0.8$$

5. 消费者支出、政府购买:  $\frac{1}{1-MPC} = \frac{1}{0.2} = 5$

$$k_b = \frac{MPC}{1-MPC} = \frac{0.8}{1-0.8} = 4$$

$$k_t = -\frac{MPC}{1-MPC} = -4$$

$$\Delta y = 600 \times 5 - 300 \times 5 - 300 \times 4 + 300 \times 4 = 1500$$

=.

$$y_d = y - t = y - 50$$

$$C = y = C + i + g + nx = 30 + 0.8(y - 50) + 60 + 50 + 50 - 0.05y$$

$$y = 190 + 0.75y - 40$$

$$y = 600$$

$$(2) nx = 50 - 0.05y = 50 - 0.05 \times 600 = 20$$

(5) 同 (1) 解

$$(3) k_i = \frac{1}{1-MPC} = \frac{1}{1-0.8} = 4$$

$$y = 30 + 0.8y - 40 + 60 + 50 + 40 - 0.05y$$

$$y = 560$$

$$(4) \Delta y = (70 - 60) \times 4 = 40$$

$$nx = 40 - 0.05y = 40 - 0.05 \times 560 = 12$$

$$y = 600 + 40 = 640$$

$$nx = 50 - 0.05y = 18$$