1. 解：(1) 均衡收入 $y = c + i + g$

$c = 100 + 0.8yd$

$y_d = y - t - tr$

$$y = \frac{100 + 50 + 200 - 0.8 \times (62.5 + 250)}{1 - 0.8} = 500 \text{（10亿美元）}$$

(2) $k_i = 5 \quad k_{tr} = -4$

$k_g = 5 \quad k_b = 1$

$k_t = -4$

2. 解：(1) $k_b = 1 \quad \Delta y = 1200 - 500 = 700$

$\Delta g = 700$（10亿美元）

(2) $k_t = -4 \quad \Delta t = \frac{700}{4} = 175$（10亿美元）

(3) 设需数额为 x

$4x + x = \Delta y = 700$

$x = 140$

$\Delta g' = 560$（10亿美元）

$\Delta t' = 140$（10亿美元）

3. 解：$S = -1600 + 0.25yd$

$y_d = y - t$

$i = S = y - C$

$\frac{\Delta y}{\Delta i} = 4$

$\Delta i = 600 - 400 = 200$

$\Delta y = 800$

4. 解：(1) $C = 1000 + 0.75 y_d$

$y_d = y - t$

$y = C + i + g$

$\Rightarrow y = 8400$

可支配收入

$y' = 8400 - 600 - 800$

(2) $C = y - g - i = 6850 \quad = 7000$

(3) 私人储蓄 $S = i = 800$

政府储蓄 $S_g = t - g = -150$

(4) $k_i = \frac{\Delta y}{\Delta i} = 4$

5. 解：$\frac{\Delta g}{\Delta C} = \frac{\Delta tr}{\Delta C} = \frac{\Delta t}{\Delta C} = \frac{-300}{600} = -\frac{1}{2}$

$\frac{\Delta S}{\Delta y} = 0.2 \qquad \Delta S = \Delta i = \frac{2}{3} \times 600 = 400$

$\Delta y = 2000$

附加题1 解：(1) $C = 30 + 0.8yd = 30 + 0.8(y - tn)$

$$y = c + i + g + nx$$

均衡收入 $y = \frac{150}{0.25} = 600$

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

(3) $k_i = \frac{\Delta y}{\Delta i} = 4$

(4) $\Delta i = 10 \quad \Delta y = 40 \quad y' = 640$

$nx' = 50 - 0.05 \times 640 = 18$

(5) $y'' = \frac{160}{0.25} = 640$

$nx'' = 18$