1、(1) 由 $\begin{cases} y = c+g+i \\ c = 100 + 0.8yd = 100 + 0.8(y-t+tr) \end{cases}$ 得：$y = 1000$

(2) $ki = \frac{1}{1-\beta} = 5$

$kg = \frac{1}{1-\beta} = 5$

$kt = \frac{-\beta}{1-\beta} = -4$

$ktr = \frac{\beta}{1-\beta} = 4$

$kb = 1$

2、(1) $kg = \frac{1}{1-\beta} = 5$ $\Delta y = 1200 - 1000 = 200$

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

(2) $kt = \frac{-\beta}{1-\beta} = -4$ $\Delta y = 200$

$\Delta t = \frac{\Delta y}{kt} = \frac{200}{-4} = -50$

(3) $kb = 1$ $\therefore \Delta g = \Delta t = \Delta y = 200$

3、当 $i = 400$ 时，$s = i = 400 = -1600 + 0.25yd$ 解得：$yd = 8000$

当 $i = 600$ 时，$s = i = 600 = -1600 + 0.25yd$ 解得：$yd = 8800$

$\Delta y = 8800 - 8000 = 800$

4、(1) $\begin{cases} y = c+i+g \\ c = 1000 + 0.75(y-t) \end{cases}$ 解得：$y = 8400$

$yd = y - t = 7800$

(2) $c = y - i - g = ~~7800~~ \ 8400 - 800 - 750 = 6850$

(3) 私人储蓄 $= yd - c = 7800 - 6850 = 950$

政府储蓄 $= t - g = -150$

(4) $ki = \frac{1}{1-\beta} = \frac{1}{0.75} = 4$

5、$\because S = -\alpha + (1-\beta)y \quad \therefore 1-\beta = 0.2 \quad \beta = 0.8$

$\therefore kg = \frac{1}{1-\beta} = 5 \quad kc = \frac{1}{1-\beta} = 5$

$ktr = \frac{\beta}{1-\beta} = 4 \quad kt = \frac{-\beta}{1-\beta} = -4$

$\therefore \Delta y = kg \cdot \Delta g + kc \cdot \Delta C + ktr \cdot \Delta tr + kt \cdot \Delta t = 600 \times 5 - 300 \times 5 - 300 \times 4 + 300 \times 4 = 1500$

补充题：

1、(1) $\begin{cases} y = c + i + g + nx \\ C = 30 + 0.8(y - t + tr) = 30 + 0.8(y - tn) \end{cases}$ 解得：$y = 600$

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

(3) ~~$kt = \frac{1}{1-\beta} = \frac{1}{1-0.8}$~~ $ki = \frac{1}{1-\beta+\gamma} = \frac{1}{1-0.8+0.05} = 4$

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

$y' = y + \Delta y = 600 + 40 = 640$

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

(5) $\begin{cases} y = c + i + g + nx \\ C = 30 + 0.8(y - tn) \\ nx = 40 - 0.05y \end{cases}$ 解得：$y = 560$

$nx = 40 - 0.05y = 12$