

Page:

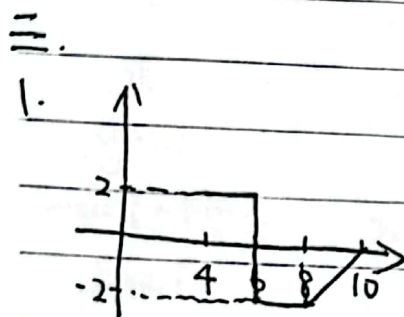
Date:

PIMI AND RUDO

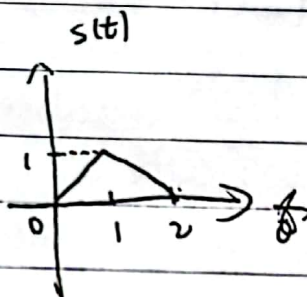
They are good friends.

I. $\checkmark \times \times \checkmark \times$

II. $1. B A A C A$



$$2. s(t) = \begin{cases} 0 & t \in (-\infty, 0] \\ t & t \in (0, 1] \\ 2-t & t \in (1, 2] \\ 0 & t \in (2, +\infty) \end{cases}$$



3. $S_a(3t)$

$$4. \frac{1}{2} \left(\frac{1}{s+j(\omega+2)} - \frac{1}{s+j(\omega-2)} \right)$$

$$5. \int \frac{d(\frac{1}{2} \frac{\omega+3}{2}) \cdot e^{\frac{3}{2}j(\omega+3)}}{d(\omega+3)}$$

$$6. -3 \cdot \frac{1}{(s+3)^2}$$

$$7. f(t) = e^{-2t} \cdot \cos(2t) \cdot u(t) + \frac{1}{2} \cdot e^{-2t} \cdot \sinh(2t) \cdot u(t)$$

$$2. r(t) = \frac{1}{6} u(t) + \frac{7}{2} e^{-2t} u(t) - \frac{8}{3} e^{-3t} u(t)$$

$$r_2(t) = \frac{1}{6} u(t) - \frac{1}{2} e^{-2t} u(t) + \frac{1}{3} e^{-3t} u(t)$$

$$r_3(t) = 4 e^{-2t} u(t) - 3 e^{-3t} u(t)$$

$$r_4(t) = \frac{1}{6} u(t)$$

$$\text{自由} = \frac{7}{2} e^{-2t} u(t) - \frac{8}{3} e^{-3t} u(t)$$

12

$$1. H(s) = \frac{1}{s+3} \quad r'(t) + 3r(t) = e(t)$$

