1.00 250 5.20 :1 Suen 503/20 10124

$$x(t) \longrightarrow 0 \longrightarrow y(t)$$

$$A \in \mathbb{R}$$
 o[$a \cdot x(t)$] = $a \cdot b[x(t)] : s' \cdot s^{2} \cdot b$

$$D[x, (t)] = y, (t)$$

$$D[x_2(t)] = y_2(t)$$

$$y(t) = \int_{-\infty}^{\infty} x(\tau) d\tau$$

$$= \int_{-\infty}^{\infty} (-1)^{-1/2} = 2.00$$

$$\int_{-\infty}^{\infty} \int_{-\infty}^{\infty} \frac{dx}{dx} = 2 \cdot \int_{-\infty}^{$$

2.
$$D[x, (t) + x_2(t)] = \int_{-\infty}^{t} [x, (t) + x_2(t)] dt =$$

$$= \int_{-\infty}^{t} x_1(t) dt + \int_{-\infty}^{t} x_2(t) dt = D[x_1(t)] + D[x_2(t)]$$

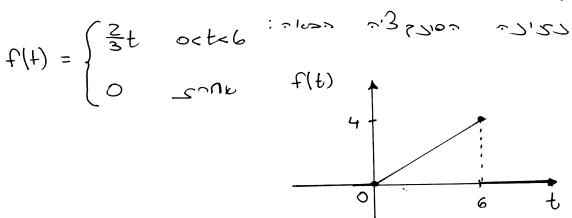
: cost : of the cost of the c

|x| = |x|

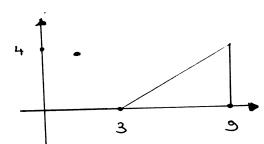
21-18- 52125 10.2 (0++)x (ender 52 70015 201195 (0++)x (ender 52 20 10.2 (0++)x

3 4 t 3

21.38210 R 71243

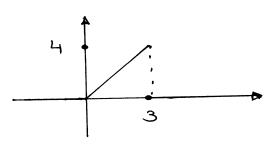


$$: f(t-3)$$

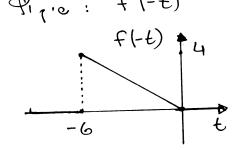


$$f(t-3) = \begin{cases} \frac{2}{3}(t-3) & 3 < t < 9 \\ 0 & - \end{cases}$$

$$f(2t) = \begin{cases} \frac{4}{3}t & o < t < 3 \\ 0 & sand \end{cases}$$

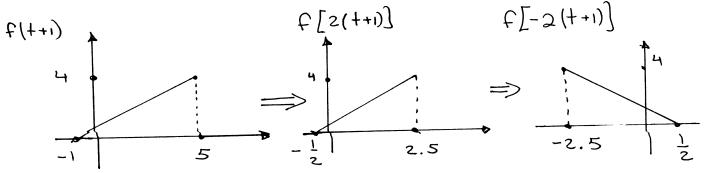


$$f(-t) = \begin{cases} -\frac{2}{3}t & -6 < t < 0 \\ -\frac{2}{3}t & -6 < t < 0 \end{cases}$$



$$f(-2t-2)$$
 $50 + |CC-0| = -1212$
 $f[-2(t+1)]$

3. 6015 = 6111.5 . 5 5. 0.11.5 = 811.5 . 5

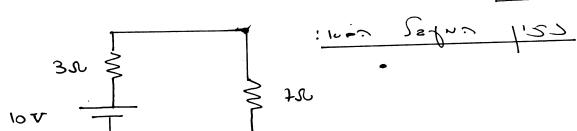


(E)

0,12, 12/0 n. 82, d c. 15, d ve. 0, 25, d.

21.00 /21 /25 (20) Jelv 12 = 5/2015 21/00/12 = 5/2015

: Unsys



1 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 |

 $V_{S} = 10$ $V_{I} = \overline{I} \cdot R_{I}$ $V_{Z} = \overline{I} \cdot R_{Z}$ $P^{1} R \overline{I}^{1}$

$$V_{S} - V_{1} - V_{2} = 0$$

$$V_{S} - I e_{1} - I e_{2} = 0$$

$$U_{S} - I e_{1} - I e_{2} = 0$$

$$U_{S} - I e_{1} - I e_{2} = 0$$

$$U_{S} - I e_{1} - I e_{2} = 0$$

: kvl (3=)

$$-V_{S} + V_{1} - V_{2} = 0 : kvl {3} > 3$$

$$-(-10) + \overline{1}_{1} \cdot R_{1} - \overline{1}_{2} \cdot R_{2} = 0$$

$$U = 0 - \overline{1}_{2} \cdot R_{1} - \overline{1}_{2} \cdot R_{2} = 0$$

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