

۱) كمام يك از مسلك كال مراد متناوى است و دوره تناوى وك جيد است؟ (م)

سكيال ، ومان موسد است ، سين النسد كسر لاول سيت ، تاج معتاوب

 $T = \frac{9}{6}$ C = S

$$C \cdot \mathcal{H}(t) = e^{\int \frac{y_n}{V} dt} + e^{\int \frac{y_n}{v} dt}$$

$$T = \frac{y_n}{v_n} = \frac{V}{v}$$

$$T = \frac{y_n}{v_n} = \frac{V}{v}$$

سلال درا بوسته است ، و تاع مناور است.

باده کرم دوه تناوی کا کندیم ۱۲۵ = ۲۵

دیا = مرابع اینت جماولن :دی

$$D \cdot x[n] = e^{j\frac{\kappa_n}{V}n} + e^{j\frac{\pi}{\Delta}n}$$

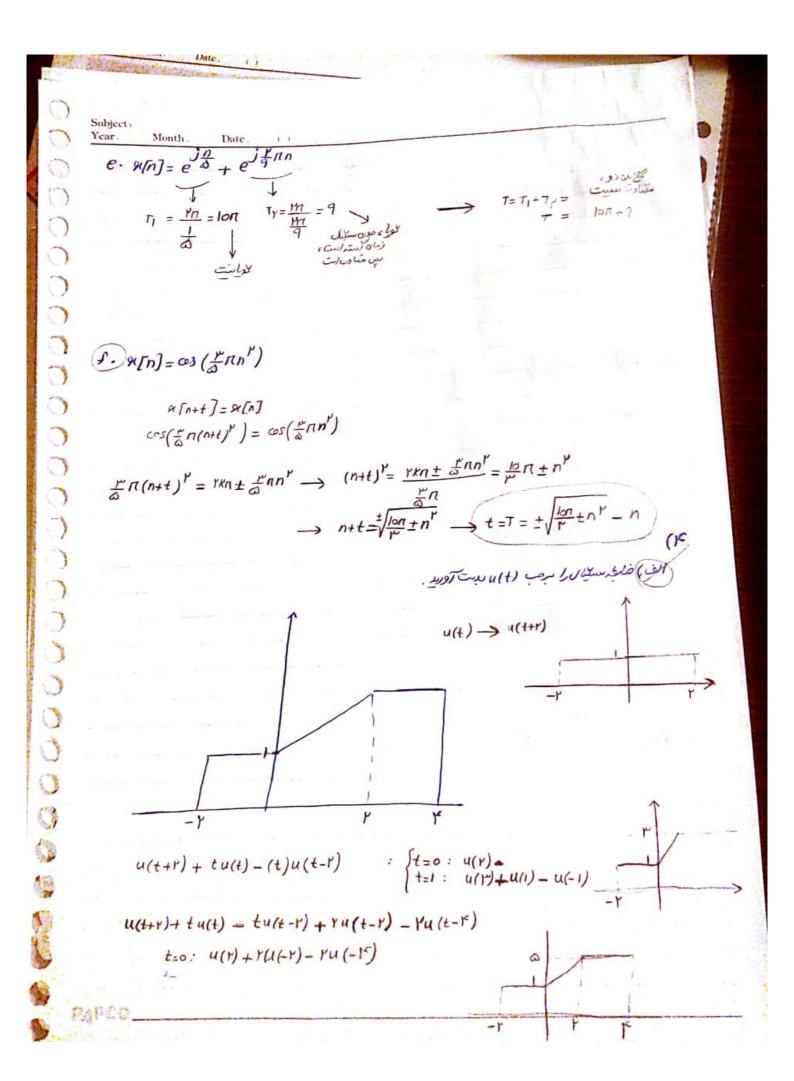
$$T = \frac{m}{\frac{\kappa_n}{V}} = \frac{v}{v}$$

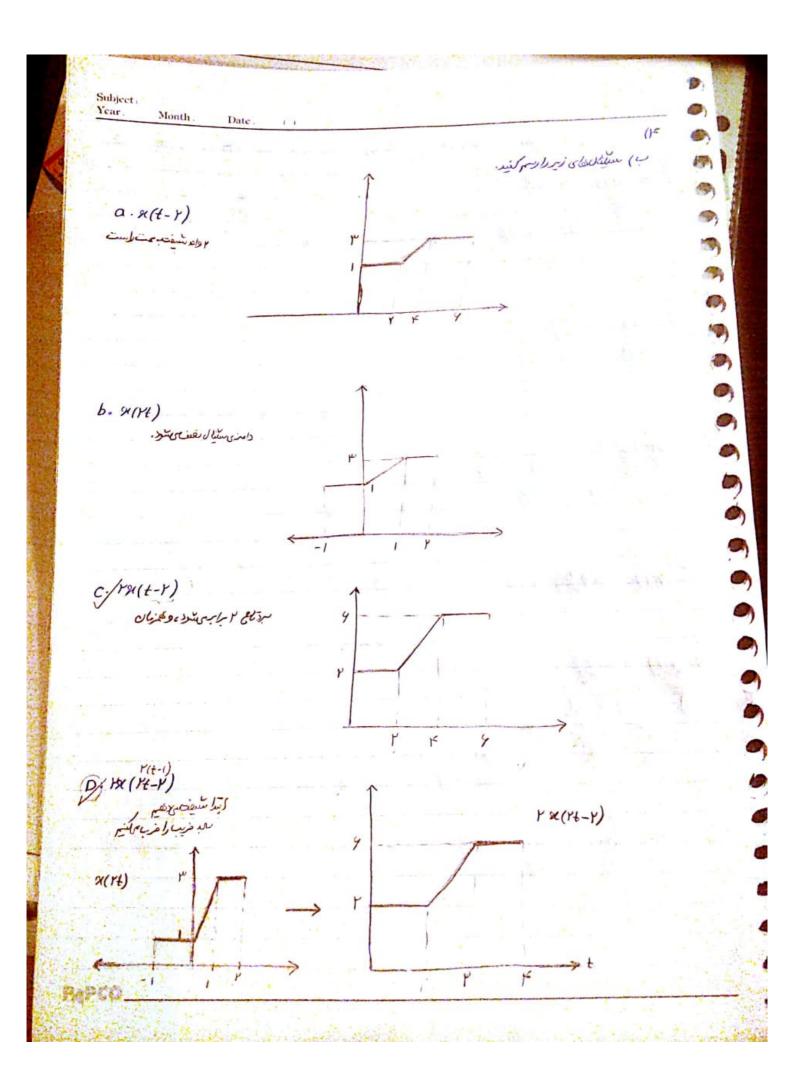
$$T = \frac{m}{\frac{n}{\Delta}} = lo$$

صبن سندال زمان كست است وكسربه دست آمره كول نست، لير مطرع هي كالحار دنظر بكرام

 $T = T_1 * T_1$ $T = V_0$

PARCO [T=V]





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Subject,
                                                                                                                                     Year
                                                                                                                                                                                                                     Month
                                                                                                                                                                                                                                                                                                                 (a) af a invoviant son invoviant of a (a)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            williams conto A
                                                                                                                                                 a. y(b) = sin(x(4))
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 84(+) = × 8(A)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          41(+)= 9n(xx(1)) + xy(1)
                                                           0000
                                                                                                                                                                                                                                             x(t) \rightarrow y(t) = sn(x(t))
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  · I com do
                                                                                                                                                                                                                                         x(t) = x(t-to) \longrightarrow y(t) = sin(x_1(t)) = sin(x_1(t-to))
                                                                                                                                                                                                                                       \rightarrow y_1(t) = y(t-to) \rightarrow time invarient
                                                                                                                               b. y(+) = Mx(+)
                                                                                                                                                         (A) x(t) \rightarrow y(t) = rx(\frac{t}{r})
                                                                                                                                                                                                                               x(+)=x(+-to) -> y,(+)= +x,(+)
                                                                                                                                                                                                                                                                                                                                                                                                4(t) = 12( + - to) = 4(t-to)
                                                0
                                                                                                                                                Birds (\alpha_{1}(t) \rightarrow \beta_{1}(t) = r\alpha_{1}(\frac{t}{r})

(\alpha_{1}(t) \rightarrow \beta_{1}(t)) = r\alpha_{1}(\frac{t}{r})

(\alpha_{1}(t) \rightarrow \beta_{1}(t)) = r\alpha_{1}(\frac{t}{r}) + \alpha_{1}(\frac{t}{r})

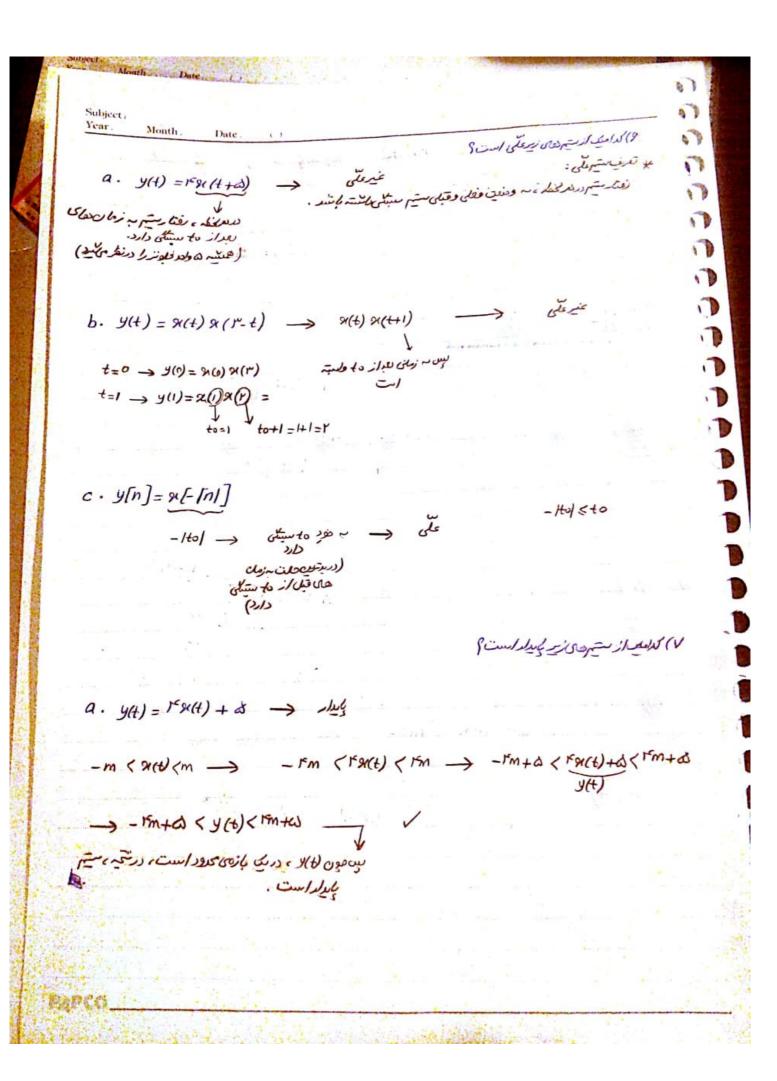
(\alpha_{1}(t) \rightarrow \beta_{1}(t)) = r\alpha_{1}(\frac{t}{r}) + \alpha_{1}(\frac{t}{r})
yr(t) = y1(t)+ yr(t) → >> >> >> > 5 Crie Cacle
                                                                                                                          ODECHE: \alpha_1(t) = \alpha_1(t) \longrightarrow \beta(t) = \alpha_2(t) \longrightarrow \beta(t) \longrightarrow \beta
                                                                                                      C. y(b) = mx(#)-1
                                                                                                                          A) Time invovient
                                                                                                                                                              x(t) -> y(t)= +x(t)-1
                                                                                                                                                     81(4) -> 8(6-to) : 41(4)
                                                                                                                                                                                                                                                                                                                                                                     41(6) = 1x(t - to) -1 # 4(t-to) -> Time invariant
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Copole B
                                                                                                                                                                                                              81(t) = × 8(4) -> 41(t)
                                                                                                                                                                                                    4,(4) = x ra(+) -1 + x y(+)
                                                                                                                                                                                                                                                                                                                                                                                                                                           دست نسع
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          1 cuices (8) A)
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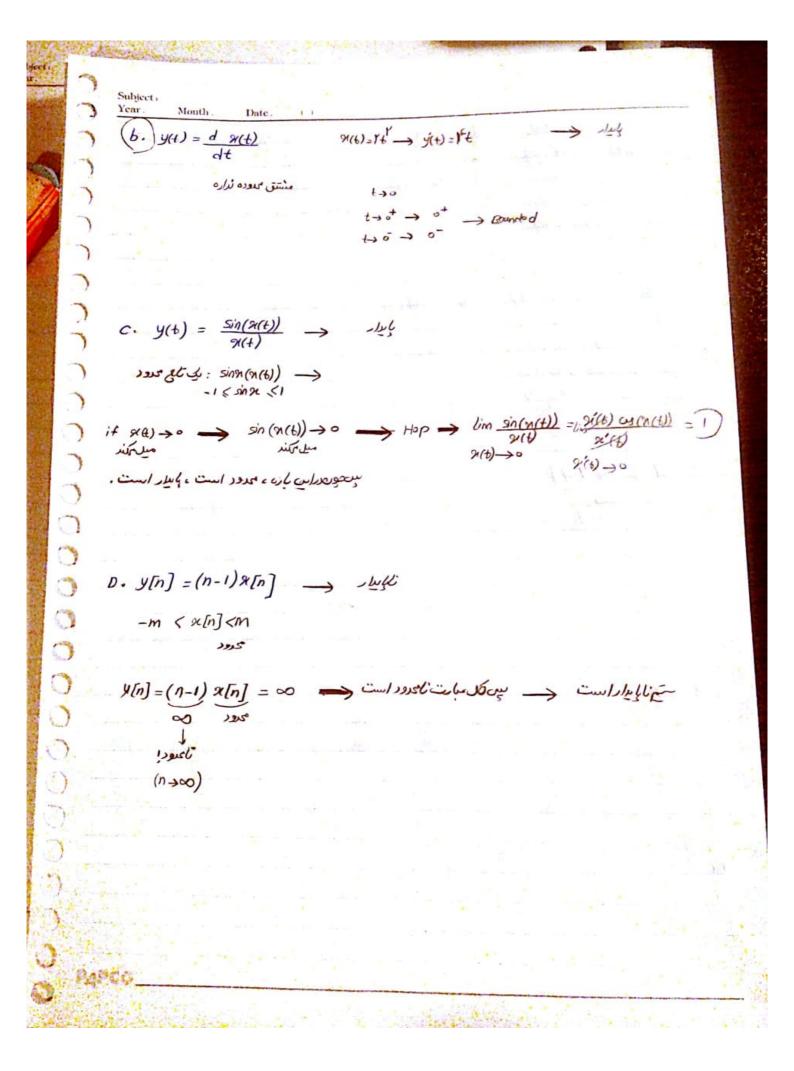
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Subject,
                           21(4) -> 2(+-to) : 4,(+) -> 41(+-to)
                                                            y1(+) = d2(6)
                                                                                                                                                              dult-to)
                           x(+) -> y, (+) = dx,(+)
                         \varphi(t) \longrightarrow y_r(t) = \frac{dt}{dx_r(t)}
          2r(t) = x_1(t) + x_1(t) \longrightarrow y_1(t) = \frac{d}{dt} \left( x_1(t) + x_1(t) \right) = \frac{dx_1(t)}{dt} + \frac{dx_1(t)}{dt} = y_1^{t} y_1(t)
                                                                                                                                                x(t) = x x(t) → y(t) (t) x = (t) 1x
                                                                                                              output: y_1(t) = \frac{dx_1(t)}{dt} = \alpha \frac{dx_2(t)}{dt} = \alpha y(t)
                                                                                                                                                                                                                             @ و @ بعظهمرهست!
                                                                                                                                                                                          (5): 1 0 Time invarient (A)
                                                                                                                                                                                 x_1(t) = x(t-to) \longrightarrow y_1(t)
e. y(t) = \[ \begin{align*} \begin{a
                                                                                                                                                                                                                                                         X Time invariant
                                                                                                                                                       y(t) = y(t-to)
                                                                                                                                                                                                                                                                                                                                                             (B) ظيمبدن
                          x(t) = \alpha x(t) \longrightarrow y(t)
         y'(t) = \begin{cases} r \times y(t) + r & t > 0 \\ -r \times y(t) + r & t < 0 \end{cases} \neq \propto y(t) \xrightarrow{-\dot{x}} \text{ orbitalization}
1 = \begin{cases} r \times y(t) + r & t < 0 \end{cases}
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Subject,
     f. y[n] = x[n]. x[n-1]
                    ×[n] -> y[n] -> y[n] = ×[n] x[n-1]
                    x[n-no] → y[n-no] → y[n-no] = x[n-no] x[n-no-1]
                                                                                   (B) idjeco.
      2.[n] -> y,[n] = x,[n] x,[n-1]
     1-1714 [n] + 1 = [n] 4 € [n] 14 €
    24. [u] = x1[u] + x1[u] = x1[u] = x1[u] = (x1[u] + x1[u]) (x1[u-1] + x1[u-1])
   = ×1[n] ×1[n-1] + ×1[n] ×1[n-1] + ×1[n] ×1[n-1] + ×1[n] ×1[n-1]
                                                                                  X ouis
                         # 4.[n]+4r[n]
 9 \cdot y[n] = \sum_{k=0}^{n} n[k]
                                                                        Time invariant (A)

\begin{array}{l}
\mathcal{A}[n] = \mathcal{A}[n-no] \longrightarrow \mathcal{Y}[n] \\
\mathcal{A}[n-no] \longrightarrow \mathcal{Y}[n-no] = \sum_{k=-\infty}^{\infty} \mathcal{A}[k]
\end{array}

  81[n] -> 41[n] = [NI[K]
  2 = [N) 4 = [N) 4 E
                               y[r] = Σ(m,[κ]+ nr[κ]) = y, (n7+yr[n] Visite
21-[n] = x1(n]+x1(n] ->
h. y[n] = x[n] . x[1]
                                                                            V des
      4[n] = 8 [n] &[i]
        x[n] = x[n-n_0] = x[n-n_0]x[1]
                                                                 Time invarient
                               y[n-no]
B which
                   [i] + [n] + [n] + [n] + [n]
                       [i) yre [n) yr = [n) ye (n) yr
           24[v] = 24[v] + 24[v] -> y[v] = 24[v] >4[v]
                                                  (AILH + [U]IR + [U]IR) ([UJAK + [U]IR)
                                                                 10miles - x corise
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Month

Date

Subject

Year.

Month. Date

(١) مشتونيس : (١

معص بدر است

$$C \cdot y[n] = \begin{cases} y[n-r] & n > 10 \\ y[n+n] & n < 1 \end{cases} \longrightarrow ziconda$$

$$n<1$$
 $y[n_i] = y[n_i] \Rightarrow r^{\alpha}[n_i+\Lambda] = r^{\alpha}[n_i+\Lambda] \Rightarrow n_i=n_i$

السودكال على الله ملك ست وعلوس أوريسك.

