- (a) Hall 26. no.36. Turna Koludur day,  $F(t) = (2t + 3)^{3/2}$   $F'(t) = \frac{3}{2}(2t + 3)^{1/2}$   $= 3\sqrt{2t + 3}$ 
  - $F''(+) = 3.12t + 31^{-3} \cdot \frac{1}{2} \cdot \frac{1}{2}$   $= \frac{3\sqrt{2+3}}{2+3}$
  - 5. Her 26. no 3c. from Educ dani,  $F(x) = \frac{3}{2x^2} \frac{S}{\sqrt{x}}$   $F(x) \stackrel{?}{=} \frac{d}{dx} \left(\frac{3}{2x^2}\right) \frac{d}{dx} \left(\frac{S}{\sqrt{x}}\right)$ 
    - $F'(x) = \frac{O(2x^2) 4x L_3}{(2x^2)^2} = \frac{O(4x) \frac{1}{24x} (5)}{(4x^2)^2}$   $= \frac{-12^3}{4x^4} = \frac{5}{2\sqrt{x}}$ 
      - 2-3 5 springerlingson
    - $= \frac{\left(O(x^{1}) 3x^{2}(3)\right) + \left(-\left(\frac{A}{Ax}\left(\frac{S}{2+V_{x}}\right)\right)}{\left(x^{2}\right)^{2}} + \left(-\left(\frac{A}{Ax}\left(\frac{S}{2+V_{x}}\right)\right)\right)$ 
      - = 9 + 151x x4 4x3.

## THEORY TRUMN. NIM: FLOOZIONS

Nama: Index Members

① hal. 24. No l.d. Carilah turunan Pertana.

F(x) = 
$$(2x-3)^3$$
 sin  $(x+1)$ 

F(x) =  $(2x-3)^3$  V= $(x+1)^3$ 
 $(x+1)^3$  V= $(x+1)^3$ 
 $(x+1)^3$ 

F'(x) = u'v + uv' = 6(2x-3)2. Sin(x+1)+(2x-3)7. Los (x+1)/

2. ttul 25. ro 26 · (arelaho turunan berantai ,

$$y = Vu$$
 ,  $u = 2V(V-5)$  ,  $V = X^2$ 

$$\frac{dy}{dx} = \frac{dy}{du} \cdot \frac{du}{dx} \cdot \frac{dy}{dx} = \frac{1}{2Vu} \cdot (4v-10) \cdot 2x$$

$$\frac{dy}{dx} = u^{-32} = \frac{1}{2Vu} \cdot (4v-10) \cdot 2x$$

$$\frac{du}{dx} = (2V)(1) + (V-5)(2)$$

$$\frac{du}{dx} = 2V + 2V - 10$$

$$= (4V-10)$$

$$\frac{dv}{dx} = 2x$$

$$\frac{dv}{dx} = 2x$$

$$\frac{dv}{dx} = 2x$$

$$\frac{dv}{dx} = 2x$$

3. Hal 25 no. 28. Cardan turunan berentai

Jira  $y = 2x^2 - x$  dan  $x = \sqrt{3}t^2 + 9$ , dy? When  $t = \sqrt{3}$ . dy = dy . dx dx = (41 \ 18 1-1 (3 \ 7) dy = ax-1 = (4.5V2)-1) (3V5) 312 dx = (4x-1) (3+) d+ V3+2+9 = (4 (V3+2+4)-1)(3V3) = 12V6-V3-V6 LV 3+++91