Atemos  $\mu = -\text{sen}X$   $= + (-\text{sen}X)^2 \cos X$   $= + (-\text{sen}X)^2 \cos X$   $= -\text{sen}^2 \times (-\text{sen}X)^3$   $= -\text{sen}^2 \times (-\text{sen}X)^3$   $= -\text{sen}^2 \times (-\text{sen}X)^3$   $= -\text{sen}^2 \times (-\text{sen}X)^3$ 

Derive 
$$g(x)$$
:

$$55. g(x) = \int_{2x}^{3x} \frac{u^2 - 1}{u^2 + 1} du$$

$$\frac{d}{dx} \int_{2x}^{3x} \frac{u^2 - 1}{u^2 + 1} du$$
Varnos uso este popuedde
$$\int_{2x}^{6} f(x) dx = \int_{4x}^{6} f(x) dx + \int_{4x}^{6} \frac{dx}{dx} dx + \int_{4x}^{6} \frac{dx}$$

$$\int_{a}^{b} f(x)dx = \int_{a}^{c} f(x)dx + \int_{e}^{b} f(x)dx$$

$$\int_{a}^{b} f(x)dx = \int_{a}^{c} f(x)dx + \int_{e}^{b} f(x)dx$$

$$\int_{a}^{b} f(x)dx = \int_{a}^{b} f(x)dx + \int_{e}^{b} f(x)dx$$

$$\int_{a}^{b} f(x)dx + \int_{e}^{b} f(x)dx + \int_{e}^{b} f(x)dx$$

$$\int_{a}^{b} f(x)dx + \int_{e}^{b} f(x)dx + \int_{e}^{b} f(x)dx$$

$$\int_{a}^{b} f(x)dx + \int_{e}^{b} f$$

$$= \frac{1}{\sqrt{2}} \left( \int_{2x}^{2x} \frac{1}{\sqrt{2}} dx \right) + \frac{1}{\sqrt{2}} \left( \int_{2x}^{3x} \frac{1}{\sqrt{2}} dx \right)$$

$$= \frac{1}{\sqrt{2}} \left( \int_{2x}^{2x} \frac{1}{\sqrt{2}} dx \right) + \frac{1}{\sqrt{2}} \left( \int_{2x}^{3x} \frac{1}{\sqrt{2}} dx \right)$$

$$= -\frac{1}{\sqrt{2}} \left( \frac{2x}{m^2 - 1} \frac{1}{\sqrt{2}} \frac{1}{\sqrt{2}}$$

$$= (-2) \frac{(2x)^2 - 1}{(2x)^2 + 1} + \frac{(3)(3x)^2 - 1}{(3x)^2 + 1} = \frac{1}{(3x)^2 + 1}$$

$$= (-2) \frac{(2x)^2 - 1}{(2x)^2 + 1} + \frac{(3)(3x)^2 - 1}{(3x)^2 + 1}$$

$$= (-2) \frac{(4x^2 - 1)}{4x^2 + 1} + 3 \frac{(9x^2 - 1)}{3x^2 + 1}$$

 $= -\frac{8x^2+2}{4x^2+3} + \frac{2+x^2-3}{2x^2+3}$ 

$$F(t) = F(b) - F(a)$$

$$= \frac{Anbdomsk}{a} \int_{a}^{b} x dx = \frac{x^{2}}{a} + C$$

$$= \frac{Anbdomsk}{a} \int_{a}^{b} x dx = \frac{F(b)}{a} - \frac{1}{a} \int_{a}^{b} \frac{dx}{dx} dx$$

$$= \frac{1}{a} \int_{a}^{b} \frac{dx}{dx} + \frac{1}{a} \int_{a}^{b} \frac{dx}{dx} dx$$

$$= \frac{1}{a} \int_{a}^{b} \frac{dx}{dx} + \frac{1}{a} \int_{a}^{b} \frac{dx}{dx} dx$$

$$= \frac{1}{a} \int_{a}^{b} \frac{dx}{dx} + \frac{1}{a} \int_{a}^{b} \frac$$

nous (Na 20 km cen)
$$\int_{X} dx = \lim_{n \to \infty} \sum_{i=1}^{\infty} f(x_i) \Delta X$$

3-Menero (ttc)
$$\int_{0}^{5} x dx = \frac{x^{2}}{2} \Big|_{0}^{5} = \frac{25}{2} - \frac{0}{2}$$
= 25