Note Title 11/10/2022

ODVODEMES UNIVERZA'LNED SUBSTITÚCIE

a)
$$t = \frac{1}{2}$$

$$arctyt = \frac{x}{2} =)[x = 2arctyt]$$

$$\int dx = \frac{2}{1+t^2} dt$$

$$|CON(2X)| = |CON^{2}X - Am^{2}X| \qquad |TDO| = |2 - An^{2}X - Con^{2}X| = |2 - Am^{2}X - Con^{2}X| = |2$$

$$\int dx = \frac{1}{1+t^2} dt$$

$$Am^{2}x = \frac{Am^{2}x}{1} = \frac{$$

$$2 = -2I_{2}B$$

$$1 = -I_{2}B \Rightarrow B = -\frac{1}{I_{2}} \cdot \frac{I_{2}}{I_{2}} = -\frac{I_{2}}{I_{2}} \quad A = \frac{I_{2}}{I_{2}}$$

$$= \int \frac{I_{2}}{I_{2}} + \frac{-I_{2}}{I_{2}} dt = \frac{I_{2}}{I_{2}} \int \frac{I_{2}}{I_{2}} dt = \frac{I_{2}}{I_{2}} \int \frac{I_{2}}{I_{2}} dt = \frac{I_{2}}{I_{2}} \int \frac{I_{2}}{I_{2}}$$

$$= 6 \int \frac{t^{2}-1+1}{t+1} dt = 6 \int \frac{t^{2}-1}{t+1} + \frac{1}{t+1} dt = 6 \int \frac{t}{t} - 1) \int \frac{t}{t+1} + \frac{1}{t+1} dt = 6 \int \frac{t}{t} - 1 \int \frac{t}{t+1} dt = 6 \int \frac{t}{t+1} + \frac{1}{t+1} dt = 6 \int \frac{t}{t+1} dt = 6$$

$$x^{3}: (x^{2}+1) = x - \frac{x}{x^{2}+1} = \Re + \frac{1}{3} \int x - \frac{1}{x^{2}+1} dx = \frac{x^{3}+x}{3} + \frac{1}{3} \int x - \frac{1}{x^{2}+1} dx = \frac{x^{3}-x}{3} + \frac{1}{3} \int x - \frac{1}{x^{2}+1} dx = \frac{x^{3}-x}{3} + \frac{1}{3} \int x - \frac{1}{x^{2}+1} dx = \frac{x^{3}-x}{3} \int x - \frac{1}{x^{3}+1} dx = \frac{x^{3}-x}{3} \int x - \frac{1}{x^$$