250

3)
$$\int x = ax c sen x . dx$$

$$\int u \cdot dv = ux \cdot v - \int v \cdot du$$

$$-\sqrt{1-x^2} \cdot ax c sen x + \int \sqrt{1-x^2} dx$$

$$-\sqrt{1+x^2} \cdot ax c sen x + x + c$$

$$\frac{du}{dx} = \frac{1}{\sqrt{1-x^2}}$$

$$\frac{dw}{dx} = \frac{dx}{\sqrt{1-x^2}}$$

$$\frac{dv}{\sqrt{1-x^2}} = \frac{x}{\sqrt{1-x^2}} = \frac{dx}{dx} = \frac{1}{\sqrt{x}}$$

$$\frac{dw}{\sqrt{1-x^2}} = \frac{x}{\sqrt{x}} = \frac{dx}{\sqrt{x}}$$

$$\frac{dw}{\sqrt{x}} = -\frac{dw}{\sqrt{x}}$$

$$\frac{dw}{\sqrt{x}} = -\frac{dw}{\sqrt{x}}$$

$$\frac{dw}{\sqrt{x}} = -\frac{dw}{\sqrt{x}}$$

v= -1 2 NW

V=- VI-x2

u = ancsenx