ma/h

integeotion por portie;

Sol-le DL6(0)
$$\sin(x) = xc - \frac{x^3}{3!} + \frac{x^5}{5!} + v(x6)$$

$$=1-\frac{1}{3!}3x^{2}+5x^{4}+6x^{5}+0(x^{5})$$

$$\frac{101}{5} = 1 + 1 + \frac{1}{21} + \frac{1}{51} +$$

$$e^{x}-1 = 1 + 3c + \frac{x^{2}}{2} + \frac{x^{3}}{3!} + \frac{x^{4}}{4!} + \frac{x^{5}}{5!} + o(x^{5}).$$

$$s(e^{2}-1)$$
 - $se + se^{2} + \frac{x^{3}}{2} + \frac{5e^{4}}{3!} + \frac{5e^{5}}{4!} + o(x^{5})$.

Integnotion por porti

$$V'(u) = e^{2x}$$
, $V(x) = \frac{e^{2x}}{2}$.

$$U(x) = x \quad u'(x) = 1$$

$$V(x) = e^{2x} \quad V(x) = \frac{e^{2x}}{2}$$

$$\frac{x^2 e^{2x}}{2} - \frac{x e^{2x}}{2} - \int \frac{e^{2x}}{2} dx$$