

$$\int x \cdot \cos x \, dx =$$

INT-S1-034

-PER PARTI

$$= [\int \cos x] \cdot x - \int [\int \cos x] [Dx] \, dx =$$

$$= (-\text{sen } x) \cdot x - \int (-\text{sen } x) \cdot 1 \, dx =$$

$$= -x \cdot \text{sen } x + \int \text{sen } x \, dx =$$

$$= \boxed{-x \text{ sen } x - \text{cos } x + k}$$