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- 1) Calcule as integrais por partes
- a) ∫ dx x xe 3
- b) ∫ xsen(5x)dx
-)∫x ln(x)dx 2
- d)∫dt t te4
- e) dx x ∫ x e 2
- f) sen x dx

1.
$$\frac{xe^{3x}}{3} - \frac{e^{3x}}{9}$$

II.
$$-\frac{x*\cos(5x)}{5} + \frac{\sin(5x)}{25}$$

III.
$$\frac{in(x)*x^3}{3} - \frac{x^3}{9}$$

IV.
$$\frac{te^{4t}}{4} - \frac{e^{4t}}{16}$$

V.
$$x^2e^x - 2xe^x + 2e^x$$

VI.
$$\frac{\sin(x)*e^x - \cos(x)*e^x}{2}$$