$$\int x \cdot e^x dx$$

$$(-1+x)\,e^x \tag{1}$$

$$\int (x+1) \cdot e^x dx$$

$$x\,e^x \tag{2}$$

$$\int (5 \cdot x - 9) \cdot e^{-3 \cdot x} dx$$

$$-\frac{1}{9}\,(-22+15\,x)\,e^{-3\,x} \tag{3}$$

$$\int (6 \cdot x + 3) \cdot e^{-2 \cdot x} dx$$

$$-3\,e^{-2\,x}\,(1+x) \tag{4}$$

$$\int \left(\frac{2 \cdot x + 1}{e^x} \right) dx$$

$$-\frac{3+2\,x}{e^x} \tag{5}$$

$$evalf\left(\int_0^1 \left(\frac{1-x}{3 \cdot e^x} \right) dx \right)$$

$$0.1226264804 \tag{6}$$

$$evalf\left(\int_1^4 \ln(2 \cdot x)\, dx \right)$$

$$4.624618987 \tag{7}$$

$$evalf\left(\int_1^2 \ln(5 \cdot x)\, dx \right)$$

$$1.995732273 \tag{8}$$

$$\int x \cdot \ln(x)\ dx$$

$$\frac{1}{2}\,x^2 \ln(x) - \frac{1}{4}\,x^2 \tag{9}$$

$$\int x^2 \cdot \ln(x)\ dx$$

$$\frac{1}{3}\,x^3 \ln(x) - \frac{1}{9}\,x^3 \tag{10}$$

$$\int -6x \cdot \cos(5 \cdot x)\ dx$$

$$-\frac{6}{25}\cos(5\,x) - \frac{6}{5}\,x \sin(5\,x) \tag{11}$$

$$\int 9x \cdot \sin(2x)\ dx$$

$$\frac{9}{4}\sin(2\,x) - \frac{9}{2}\,x\cos(2\,x) \tag{12}$$

$$\int 8x \cdot \sin(x)\ dx$$

$$8\sin(x) - 8\,x\cos(x) \tag{13}$$

$$\int -11x \cdot \cos(x)\ dx$$

$$-11\cos(x) - 11\,x\sin(x) \tag{14}$$

$$\int -6x^2 \cdot \cos(8 \cdot x)\ dx$$

$$-\frac{3}{4}\,x^2 \sin(8\,x) + \frac{3}{128}\sin(8\,x) - \frac{3}{16}\,x\cos(8\,x) \tag{15}$$

$$\int 10x^2 \cdot \sin\left(\frac{x}{2}\right) dx$$

$$-20\,x^2 \cos\left(\frac{1}{2}\,x\right) + 160\cos\left(\frac{1}{2}\,x\right) + 80\,x\sin\left(\frac{1}{2}\,x\right) \tag{16}$$

$$\int x^2 e^x\, dx$$

$$\left(2 - 2\,x + x^2\right) e^x \tag{17}$$

$$\int x \ln\left(\sqrt{x}\right) dx$$

$$\frac{1}{4}\,x^2 \ln(x) - \frac{1}{8}\,x^2 \tag{18}$$

$$\int x e^{-x}\, dx$$

$$-(1+x)\,e^{-x} \tag{19}$$

$$\int x \cdot (\sec(x))^2\, dx$$

$$x\tan(x) + \ln(\cos(x)) \tag{20}$$

$$\int \ln(2x+3)\ dx$$

$$\frac{1}{2}\ln(2\,x+3)\,(2\,x+3) - x - \frac{3}{2} \tag{21}$$

$$\int \sin(\ln(x))\ dx$$

$$-\frac{1}{2}\cos(\ln(x))\,x + \frac{1}{2}\sin(\ln(x))\,x \tag{22}$$