PER PARTE

1, $\int x^{2}e^{x} = e^{x}(x^{2}-2x+2)+e$ 2. $\int x^{3}e^{x} = e^{x}(x^{3}-3x+6)x=6+e$ 2. $\int x^{3}e^{x} = e^{x}(x^{3}-3x+6)x=6+e$ 3. $\int x^{2}e^{-x} = e^{x}(x^{2}-2x+2)+e$ 4. $\int x^{2}e^{-x} = -e^{-x}(x^{2}+2x+2)+e$ 5. $\int (3x^{2}+2x-1)\cdot e^{x} = e^{x}(x^{2}+x+e)+e$ 7. $\int (2x^{3}-4x+1)\cdot e^{x} = e^{x}(x^{2}-3x+1)xi(x+6x^{2}+4)ex(x-12xs)i(x-12x)ex+e$ 8. $\int (x^{2}-3x+1)\cdot e^{x} = e^{x}(x^{2}-3x+1)xi(x+6x^{2}+4)ex(x-12xs)i(x-12x)ex+e$ 8. $\int (x^{2}-3x+1)\cdot e^{x} = e^{x}(x^{2}-3x+1)xi(x+6x^{2}+4)ex(x-12x)ex+e$ 8. $\int (x^{2}-3x+1)\cdot e^{x} = e^{x}(x^{2}-3x+1)xi(x+6x^{2}+4)ex(x-12x)ex+e$

9. $\int u^2 x = x(u^2 x - 2u x + 2) + c$ 10. $\int (2x - 1)u x = (x^2 - x)u x - \frac{x^2}{2} + x + c$ 11. $\int (2x^2 + 5x - 1)u x = (\frac{1}{3}x^3 + \frac{5}{2}x^2 + x + c)$ 12. $\int x \cdot u^2 x = \frac{x^2}{3}(u^2 x - u x + \frac{1}{2}) + c$ 13. $\int x \cdot u x = \frac{3}{3}x \cdot x \cdot u x - \frac{1}{3}x \cdot x + c$ 14. $\int 3x^2 \int u^2 x = \frac{3}{5}x \cdot x \cdot x \cdot x \cdot x + c$