



<p>01. Integral substitusi (<i>advanced</i>).</p> <p>a) $\int \frac{x^2 - 1}{x} = dx = \dots$</p> <p>b) $\int \frac{1}{\sqrt{x} - 3x} = dx = \dots$</p>	
<p>02. a) $\int \frac{1}{3x - \sqrt[3]{x}} dx = \dots$</p> <p>b) $\int \frac{dx}{3x - 2\sqrt[5]{x^2}} = \dots$</p>	
<p>03. a) $\int \sqrt{4x^2 + 5x^4} dx = \dots$</p> <p>b) $\int \frac{x^2}{\sqrt{2x^4 + x^2}} dx = \dots$</p>	
<p>04. a) $\int \frac{3x - 4}{x - 1} dx = \dots$</p> <p>b) $\int \frac{x^2}{x - 2} dx = \dots$</p>	
<p>05. a) $d(\ln x^3)^2 = \dots$</p> <p>b) $de^{2x^2+1} = \dots$</p>	
<p>06. a) $\int \frac{x^3}{x^2 - 1} dx = \dots$</p> <p>b) $\int \frac{x^2 - 4x}{2x - 3} dx = \dots$</p>	



07. $\int \frac{3x^3 + 17x}{x^2 + 5} dx = \dots$	
08. $\int \frac{x^2 - x - 6}{x^2 - 4} dx = \dots$	
10. $\int \frac{x-2}{(x+5)^6} dx = \dots$	
11. $\int \frac{\ln x}{x} dx$	
12. $\int \frac{\ln \sqrt{3x+1}}{3x+1} dx = \dots$	
13. $\int \frac{\ln \sqrt{3x+1}}{\sqrt{3x+1}} dx = \dots$	
14. $\int \frac{p \ln(p^2 - 4)}{p^2 - 4} dp$	
15. $\int 3c^{3x+1} dx = \dots$	
16. $\int 3e^{3x+1} dx = \dots$	
17. $\int 2x e^{4x^2+7} dx = \dots$	
18. $\int \frac{e^x}{3e^x + 1} dx = \dots$	
20. $\int \frac{x}{\sqrt[5]{x+4}} dx = \dots$	
21. $\int 8x(2x-1)^{20} dx$	



22. $\int 8x^3(x^2-1)^{\frac{2}{3}} dx = \dots$

23. $\int \frac{x^5}{\sqrt[3]{x^3+2}} dx$