01. (a) $\int\left(\frac{x+4}{2}\right)^5 dx = ...$ (b) $\int \cos \pi x \, dx = ... \cdots$	
02. (a) $\int \sin\left(\frac{3}{x}\right) d\left(\frac{1}{x}\right) = ...$ (b) $\int \frac{3}{(2x+5)^2} dx = ...$	
03. (a) $\int \frac{\pi}{\sqrt{5x+2}} dx = ...$ (b) $\int \sin(3x+1) \, d\pi x = ...$	
04. $\int x\sqrt{x^2+3} \, dx = ...$	
05. $\int \sin x \cos x \, dx = ...$	
06. $\int (x+1)(x^2+2x+7)^3 \, dx = ...$	

07. $\int x^2 \cos x^3 \, dx = ...$	
08. $\int \frac{d3x}{\sqrt{5x-1}} = ...$	
09. $\int \frac{(\sqrt{x}-3)^3}{\sqrt{x}} dx = ...$	
10. $\int \frac{\cos \sqrt{x}}{\sqrt{x}} dx = ...$	
11. $\int \frac{d\sqrt{3x}}{\sqrt{\sqrt{x}+7}} = ...$	
12. $\int \cos^3 x \, dx = ...$	

13. $\int \frac{\cos\sqrt{t}}{\text{sm}^4\sqrt{t}}\, d\sqrt{t} = ...$	
14. $\int \frac{\sin 2x}{(1-\cos 2x)^3}\, dx = ...$	
15. $\int \sin(\sin x).\cos x\, dx = ...$	