



01. a) $d3x^2 = \dots dx$ b) $d\pi a^4 = \dots da$ c) $d\sqrt[3]{x^5} = \dots dx$	
02. a) $d \frac{1}{x^3} = \dots dx$ b) $d \frac{3}{y^5} = \dots dy$ c) $d \sin x = \dots dx$	
03. a) $d\cos^3 x = \dots d\cos x$ b) $dx^2 \sqrt{x} = \dots dx$ c) $d \sin x^5 = \dots dx$	
04. a) $d(x^3 + 2\sin x) = \dots dx$ b) $d \sin^2 x^2 = \dots dx$ c) $d(x^3 + x^2)^3 = \dots dx$	
05. a) $d\sqrt{x^3 + \sin x} = \dots dx$ b) $d \tan x = \dots dx$ c) $d \frac{\theta^2}{\cos \theta} = \dots d\theta$	
06. a) $d\sqrt{\sin(\theta^2 + 3\theta)} = \dots d\theta$ b) $d \frac{x^3 + x^2}{\tan x} = \dots dx$	