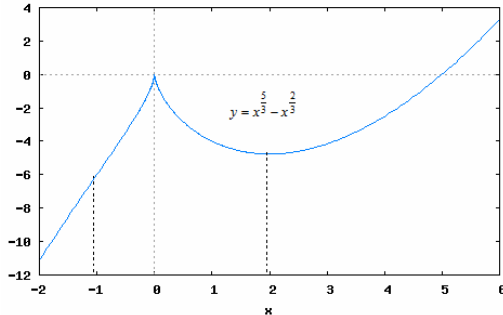
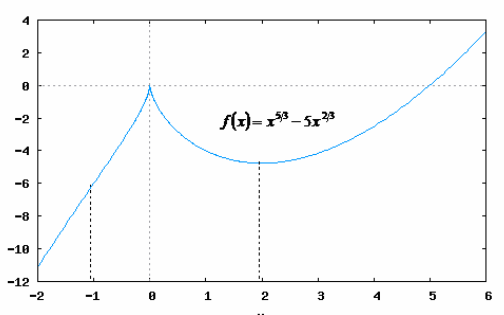


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(101,06,26)

頁號	原有內容	修正後內容
P73 第七行	27. ... , find $\lim_{x \rightarrow 0} \frac{(e^x - 1)^3}{(x - 2)e^x + x + 2}$	27. ... , find $\lim_{x \rightarrow 2} f(x)$
P180 第二行	49. ... 試求 $f'(x)$	49. ... 試求 $\frac{dy}{dx}$
P277 第三行	(1) $f'(-2) = 12 - 6\alpha + \beta = 0$	(1) $f'(-2) = 12 - 4\alpha + \beta = 0$
P277 第五行	解得 $\alpha = \frac{9}{8}$, $\beta = -\frac{21}{4}$	解得 $\alpha = \frac{3}{2}$, $\beta = -6$
P249 中央圖形		
P392 第三、四行	$\int_0^1 \frac{1}{(2-x)\sqrt{1-x}} dx = \int_0^1 \frac{-2u}{(1+u^2)u} du = \int_0^1 \frac{-2}{(1+u^2)} du$ $\int_0^1 \frac{1}{(2-x)\sqrt{1-x}} dx = -2 \int_0^1 \frac{1}{1+u^2} du = -2(\tan^{-1} u)_0^1 = -\frac{\pi}{2}$	$\int_0^1 \frac{1}{(2-x)\sqrt{1-x}} dx = \int_1^0 \frac{-2u}{(1+u^2)u} du = \int_0^1 \frac{2}{(1+u^2)} du$ $\int_0^1 \frac{1}{(2-x)\sqrt{1-x}} dx = 2 \int_0^1 \frac{1}{1+u^2} du = 2(\tan^{-1} u)_0^1 = \frac{\pi}{2}$
P495 第九行	$\int_0^1 \sqrt{\frac{x}{1-x}} dx = \frac{\Gamma(\frac{3}{2} + \frac{1}{2})}{\Gamma(\frac{3}{2})\Gamma(\frac{1}{2})} = \frac{1}{\frac{1}{2} \cdot \Gamma(\frac{1}{2}) \cdot \Gamma(\frac{1}{2})} = \frac{1}{\frac{1}{2} \cdot \sqrt{\pi} \cdot \sqrt{\pi}} = \frac{2}{\pi}$	$\int_0^1 \sqrt{\frac{x}{1-x}} dx = \frac{\Gamma(\frac{3}{2})\Gamma(\frac{1}{2})}{\Gamma(\frac{3}{2} + \frac{1}{2})} = \frac{\frac{1}{2} \cdot \Gamma(\frac{1}{2}) \cdot \Gamma(\frac{1}{2})}{\Gamma(2)} = \frac{\frac{1}{2} \cdot \sqrt{\pi} \cdot \sqrt{\pi}}{1} = \frac{\pi}{2}$
P496 第三行	$\int_0^{\frac{\pi}{2}} \sin^5 x \cos^6 x dx = \frac{1}{2} \frac{\Gamma(3 + \frac{7}{2})}{\Gamma(3)\Gamma(\frac{7}{2})} = \frac{1}{2} \frac{\frac{11}{2} \cdot \frac{9}{2} \cdot \frac{7}{2} \cdot \Gamma(\frac{7}{2})}{2! \Gamma(\frac{7}{2})} = \frac{11 \cdot 9 \cdot 7}{32}$	$\int_0^{\frac{\pi}{2}} \sin^5 x \cos^6 x dx = \frac{1}{2} \frac{\Gamma(3)\Gamma(\frac{7}{2})}{\Gamma(3 + \frac{7}{2})} = \frac{1}{2} \frac{2! \Gamma(\frac{7}{2})}{\frac{11}{2} \cdot \frac{9}{2} \cdot \frac{7}{2} \cdot \Gamma(\frac{7}{2})} = \frac{8}{11 \cdot 9 \cdot 7}$
P611 第一行	4. ... $ x < 1$...	4. ... $-1 < x \leq 1$...

P611 第九行	5. ... (10)	5. ... $-1 < x < 1$... (10)
P612 第一行	6. ... $n \in R$... (11)	6. ... $n \in R$, $-1 < x < 1$... (11)
P641 第十二行	$\frac{d^{99}}{dx^{99}} \sin(-3x) = \dots = -3^{99} \cos(-3x)$	$\frac{d^{99}}{dx^{99}} \sin(-3x) = \dots = 3^{99} \cos(-3x)$
P686 倒數第二行	$\frac{\partial z}{\partial v} = \frac{\partial z}{\partial x} \cdot \frac{\partial x}{\partial v} + \frac{\partial z}{\partial y} \cdot \frac{\partial y}{\partial v} = \dots$	$\frac{\partial z}{\partial u} = \frac{\partial z}{\partial x} \cdot \frac{\partial x}{\partial u} + \frac{\partial z}{\partial y} \cdot \frac{\partial y}{\partial u} = \dots$
P700 倒數第二行	13. 若 $2x + y - z + 2 = 0$; $y = e^x$, ...	13. 若 $u = xy + yz + zx$; $y = e^x$, ...
P862 第九行	... where is the upper half of...	... where C is the upper half of...
P862 第十三行	$ds = \sqrt{\left(\frac{dx}{dt}\right)^2 + \left(\frac{dy}{dt}\right)^2} dt = \sqrt{\sin^2 t + \cos^2 t} dt = dt$	$ds = \sqrt{\left(\frac{dx}{dt}\right)^2 + \left(\frac{dy}{dt}\right)^2} dt = \sqrt{\sin^2 t + \cos^2 t} dt = dt$