

= 202210210
= 2(xy+(xy)) 2(1(x2-5)- (\$x [x2] + \$x [-5])2)
$\frac{f_{\alpha}(x,-s)-(\frac{2}{2}\sqrt{2}x)+\frac{2}{2}\sqrt{-s})x}{(\frac{2}{2}\sqrt{2}\sqrt{2}x)+\frac{2}{2}\sqrt{2}\sqrt{-s}}$
(x, -2)
= 2(1(x2-5)- (\$x[x2]+\$x[-5])x).
$\frac{(3\sqrt{3})(\sqrt{3})}{(\sqrt{3})(\sqrt{3})} + \frac{3\sqrt{3}}{(\sqrt{3})} + \frac{3\sqrt{3}}{(\sqrt{3})}$
(K.2)
$= 2(x^2 - (2x+0)x-5)$ $(x^2-5)^2$
$\frac{(x^2-5)^2}{(x^2-5)^2}$
$= 2(-x^2-5)$
$(\chi^2-5)^2$
$m = 2RA + 2(2)^2 - 10$
$(2)^2 - (7)^2$
= -18
1 Cradient = -0-18.
$z = 2x^3 \ln y$.
$u = 2x^{3} V = Iny$
$\frac{du}{dx} = 6x^2 dx/dx = \frac{1}{4} = \frac{1}{4}.$
dy
dz = 2 x3.1 + Iny · 6χ2 dx.
dy
$dz = 0x3 + 6x^2 \ln u dx$
dy J dy
V V
(a) $\int_{0}^{e} \chi(2\chi^{2}+1)^{V_{2}} dx$
Jo let 'u= 222+1
du - 12
dx - dx dx
dx = du/dx.

$$\int_{0}^{2} u^{1/2} \cdot du$$

$$= \int_{0}^{2} (2^{3/2})^{2} = (2(0)+1)^{3/2}$$

$$= \int_{0}^{2} (2^{3/2}+1)^{3/2} - (2(0)+1)^{3/2}$$

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