Keuin Pacheco

15. \(\int \) \(\text{16 - \text{x}^2'} \)	$m = \sqrt{16 - \chi^2} = \frac{1}{2\sqrt{16 - \chi^2}}$
	16 - x ² = -2x
.46. = 1	$= \frac{1}{2\sqrt{(b-x^2)}} (-2x) = -\frac{x}{\sqrt{1b-x^2}}$
$= \int \frac{\mathbf{A}}{\mathbf{X}} \left(-\frac{\mathbf{A}}{\mathbf{X}} \right)$	
- <u> </u>	
J - 1 du - 4	
$= \int \frac{1}{-(4u)^2 + 16} \cdot 4 = 7 = \frac{1}{40}$	U ² +1)
$-\frac{1}{4} \cdot \int \frac{1}{v^2 + 1}$	
	-11
$\frac{1}{4} \left \frac{\ln u+4 }{2} \right \frac{\ln u }{4}$ $\frac{1}{4} \left \frac{\ln \sqrt{16-x^2} }{4} + 1 \right $ $\frac{1}{4} \left \frac{\ln \sqrt{16-x^2} }{4} + 1 \right $ $\frac{1}{4} \left \frac{\ln \sqrt{16-x^2} }{4} + 1 \right $ $\frac{1}{4} \left \frac{\ln \sqrt{16-x^2} }{4} + 1 \right $	$\ln \left(\frac{\sqrt{16-x^2}}{4} - 1 \right)$
$= \left(\frac{\ln \left \frac{\sqrt{\ln - x^2}}{4} + 1 \right }{2} \right)$	$\ln \left \frac{\sqrt{16 - \chi^2}}{4} - 1 \right $
	4
2 4	$\frac{1}{1}$ $\frac{1}$
$\frac{10}{4}$	8
$= -\frac{1}{8} \left(\ln \frac{\sqrt{10-\chi^2}}{4} + 1 \right)$	$-\ln\left(\frac{\sqrt{16-x^2}-1}{4}\right)+C$

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