## Analiza

1. 
$$\sum_{m=2}^{\infty} \frac{1}{(-1)^m} \frac{m}{4n \sqrt{m} - 1}$$
 $\times m = \frac{m}{m \sqrt{m} - 1}$ ,  $\times m + 1 - x_m = \lim_{m \to \infty} \frac{m + 1}{(m + 1)\sqrt{m} + 1 - 1} - \frac{m}{m \sqrt{m} - 1} = \frac{m}{m \sqrt{m}$ 

$$2. \int_{1}^{\pi} \frac{1}{\sqrt{x}-1} dx$$

$$\int_{\mathbb{R}^{\sqrt{x}}-1}^{(x)} \left( x - 0 \right) P \cdot \int_{\mathbb{R}^{\sqrt{x}}-1}^{(x)} \left( x - 0 \right) P \cdot \int_{\mathbb$$

$$\lim_{x \to 0} \frac{1}{x \to 0} = \lim_{x \to 0} \frac{2\sqrt{x}}{x^{1/x}} = 0$$

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$$\lim_{X \to 0} x P \cdot \frac{1}{\sqrt{x}} = \lim_{X \to 0} \frac{\sqrt{x}}{\sqrt{x}} = \lim_{X \to 0} \frac{2\sqrt{x}}{\sqrt{x}} = 1 = i \int_{\mathbb{R}^{1}} \frac{1}{\sqrt{x}} dx$$

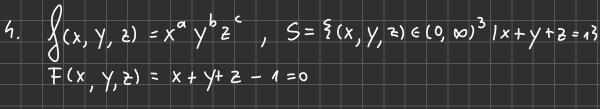
3. 
$$\frac{1}{(1 + x^2)^2} = (1 + x^2)^{-2}$$

$$=\sum_{m=0}^{\infty}\left(\frac{m+1}{m}\right)\left(-x^{2m}\right)=\sum_{m=0}^{\infty}-\frac{m+1}{m}x^{2m}$$









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