Equações para consulta nos exames de TTC - TTCA

$$\int_{-\infty}^{+\infty} e^{-ax^2} dx = \sqrt{\frac{\pi}{a}}$$

$$\int_{-\infty}^{+\infty} x^{2n} e^{-ax^2} dx = \frac{(2n)!}{n! 2^{2n}} \sqrt{\frac{\pi}{a^{2n+1}}}, n \ge 0$$

$$\int_{-\infty}^{\infty} x^{2n+1} e^{-ax^2} dx = \frac{n!}{2a^{n+1}}, n \ge 0$$

$$U = TS - pV + \sum_{i=1}^{l} \mu_i N_i$$
$$SdT - Vdp + \sum_{i=1}^{l} N_i d\mu_i = 0$$

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