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! For an efficient use of these tables, first read [HowTo.pdf](#).

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T3.25B. Integrands involving exponentials and algebraic functions on the intervals $(1, \infty)$ and $(-1, \infty)$.

$$1. \int_1^\infty \frac{e^{-\mu x} dx}{\sqrt{x-1}} = \sqrt{\frac{\pi}{\mu}} e^{-\mu}, \quad \Re\{\mu\} > 0.$$

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$$2. \int_{-1}^\infty \frac{e^{-qx}}{\sqrt{1+x}} dx = e^q \sqrt{\frac{\pi}{q}}, \quad q > 0.$$

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