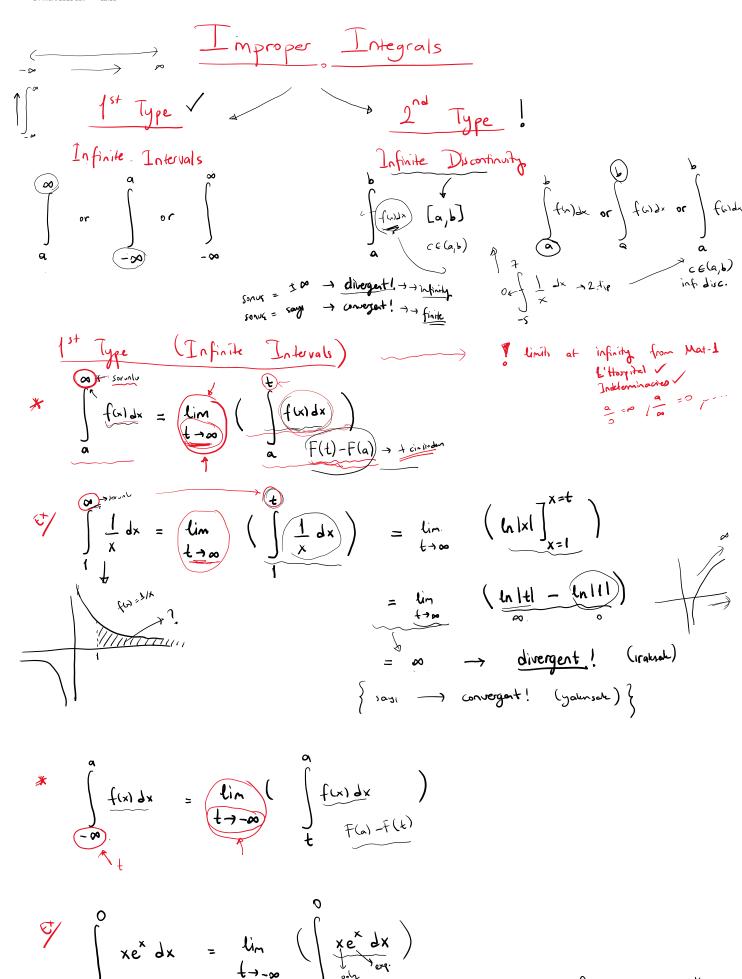
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$$\frac{1}{\sqrt{2}} = \lim_{x \to \infty} \left(\frac{xe^{x} - e^{x}}{xe^{x}} \right) = \lim_{x \to \infty} \left(\frac{(0e^{x} - e^{x})}{xe^{x}} \right) = \lim_{x \to \infty} \left(\frac{(0e^{x} - e^{x})}{xe^{x}} \right) = \lim_{x \to \infty} \left(\frac{(0e^{x} - e^{x})}{xe^{x}} \right) = \lim_{x \to \infty} \left(\frac{(0e^{x} - e^{x})}{xe^{x}} \right) = \lim_{x \to \infty} \left(\frac{(0e^{x} - e^{x})}{xe^{x}} \right) = \lim_{x \to \infty} \left(\frac{(0e^{x} - e^{x})}{xe^{x}} \right) = \lim_{x \to \infty} \left(\frac{(0e^{x} - e^{x})}{xe^{x}} \right) = \lim_{x \to \infty} \left(\frac{(0e^{x} - e^{x})}{xe^{x}} \right) = \lim_{x \to \infty} \left(\frac{(0e^{x} - e^{x})}{xe^{x}} \right) = \lim_{x \to \infty} \left(\frac{(0e^{x} - e^{x})}{xe^{x}} \right) = \lim_{x \to \infty} \left(\frac{(0e^{x} - e^{x})}{xe^{x}} \right) = \lim_{x \to \infty} \left(\frac{(0e^{x} - e^{x})}{xe^{x}} \right) = \lim_{x \to \infty} \left(\frac{(0e^{x} - e^{x})}{xe^{x}} \right) = \lim_{x \to \infty} \left(\frac{(0e^{x} - e^{x})}{xe^{x}} \right) = \lim_{x \to \infty} \left(\frac{(0e^{x} - e^{x})}{xe^{x}} \right) = \lim_{x \to \infty} \left(\frac{(0e^{x} - e^{x})}{xe^{x}} \right) = \lim_{x \to \infty} \left(\frac{(0e^{x} - e^{x})}{xe^{x}} \right) = \lim_{x \to \infty} \left(\frac{(0e^{x} - e^{x})}{xe^{x}} \right) = \lim_{x \to \infty} \left(\frac{(0e^{x} - e^{x})}{xe^{x}} \right) = \lim_{x \to \infty} \left(\frac{(0e^{x} - e^{x})}{xe^{x}} \right) = \lim_{x \to \infty} \left(\frac{(0e^{x} - e^{x})}{xe^{x}} \right) = \lim_{x \to \infty} \left(\frac{(0e^{x} - e^{x})}{xe^{x}} \right) = \lim_{x \to \infty} \left(\frac{(0e^{x} - e^{x})}{xe^{x}} \right) = \lim_{x \to \infty} \left(\frac{(0e^{x} - e^{x})}{xe^{x}} \right) = \lim_{x \to \infty} \left(\frac{(0e^{x} - e^{x})}{xe^{x}} \right) = \lim_{x \to \infty} \left(\frac{(0e^{x} - e^{x})}{xe^{x}} \right) = \lim_{x \to \infty} \left(\frac{(0e^{x} - e^{x})}{xe^{x}} \right) = \lim_{x \to \infty} \left(\frac{(0e^{x} - e^{x})}{xe^{x}} \right) = \lim_{x \to \infty} \left(\frac{(0e^{x} - e^{x})}{xe^{x}} \right) = \lim_{x \to \infty} \left(\frac{(0e^{x} - e^{x})}{xe^{x}} \right) = \lim_{x \to \infty} \left(\frac{(0e^{x} - e^{x})}{xe^{x}} \right) = \lim_{x \to \infty} \left(\frac{(0e^{x} - e^{x})}{xe^{x}} \right) = \lim_{x \to \infty} \left(\frac{(0e^{x} - e^{x})}{xe^{x}} \right) = \lim_{x \to \infty} \left(\frac{(0e^{x} - e^{x})}{xe^{x}} \right) = \lim_{x \to \infty} \left(\frac{(0e^{x} - e^{x})}{xe^{x}} \right) = \lim_{x \to \infty} \left(\frac{(0e^{x} - e^{x})}{xe^{x}} \right) = \lim_{x \to \infty} \left(\frac{(0e^{x} - e^{x})}{xe^{x}} \right) = \lim_{x \to \infty} \left(\frac{(0e^{x} - e^{x})}{xe^{x}} \right) = \lim_{x \to \infty} \left(\frac{(0e^{x} - e^{x})}{xe^{x}} \right) = \lim_{x \to \infty} \left(\frac{(0e^{x} - e^{x})}{xe^{x}} \right) = \lim_{x \to \infty} \left(\frac{(0e^{x} - e^{x})}{xe^{x}} \right) = \lim_{x \to \infty} \left(\frac{(0e^{x} - e^{x})}{xe^{x}} \right) = \lim_{x \to \infty} \left(\frac{(0e^{x} - e^{x})}{xe^{x}} \right) = \lim_{x \to \infty$$

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$$\int \frac{1}{x^5} dx \qquad x^5 \qquad \frac{x^4}{4} - 4x^6 \qquad y = 0$$

$$\int_{0}^{\infty} \int_{0}^{\infty} \int_{$$