Adg. 1.2c
$$\int \frac{1}{Z^3} dZ = \int Z^{-3} dZ$$

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$$\int \int \frac{1}{Z^3} dZ$$

$$\int \int \frac{1$$

$$\int x^{3} \cos(x^{2}) dx \qquad Z = x^{2} \Rightarrow dz = 2x dx$$

$$= \int x^{2} \cos(x^{2}) x dx$$

$$= \int Z \cos z \int_{-\infty}^{\infty} dz$$

Aufg. 1.3a
$$\int_{(x)}^{(x)} = \sqrt{\tan x} = \frac{\sin x}{\cos x}$$

$$\int_{(x)}^{(x)} = \left(\frac{\sin x}{\cos x}\right) = \frac{\cos x \cdot \cos x - \sin x \cdot (-\sin x)}{\cos^2 x}$$

$$= \frac{\cos^2 x + \sin^2 x}{\cos^2 x} \qquad \left| \sin^2 x + \cot x \right| = 1$$

$$\int_{(x)}^{(x)} = \int_{(x)}^{(x)} = \frac{\cos^2 x}{\cos^2 x} + \frac{\sin^2 x}{\cos^2 x} = 1 + \tan^2 x$$

$$\Rightarrow \int_{(x)}^{(x)} = \int_{($$