

$$\frac{\partial}{\partial \theta} \int_{R_n} l(x) f(x, \theta) dx$$

$$f(\xi_1) = \frac{(\xi_1 - a)}{\sigma^2} f_a$$

$$f(x, \theta) dx = M(T(\xi))$$

Text

$$f(\xi_1) = \frac{(\xi_1 - a)}{\sigma^2} f_a$$

Text

$$\frac{\partial}{\partial \theta} \int_{R_n} l(x) f(x, \theta) dx$$

$$f(\xi_1) = \frac{(\xi_1 - a)}{\sigma^2} f_a$$

$$f(x, \theta) dx = M(T(\xi))$$

Text

$$f_{a, \sigma^2}(\xi_1) = \frac{(\xi_1 - a)}{\sigma^2} f_{a, \sigma^2}(\xi_1) =$$

Text

$$\frac{\partial}{\partial a} \ln f_{a, \sigma^2}(\xi_1) = \frac{(\xi_1 - a)}{\sigma^2} f_{a, \sigma^2}(\xi_1) = \frac{1}{\sqrt{2\pi\sigma}} \exp\left\{-\frac{(\xi_1 - a)^2}{2\sigma^2}\right\}$$

Text

$$\frac{\partial}{\partial a} \ln f_{a, \sigma^2}(\xi_1) = \frac{(\xi_1 - a)}{\sigma^2} f_{a, \sigma^2}(\xi_1) = \frac{1}{\sqrt{2\pi\sigma}} \exp\left\{-\frac{(\xi_1 - a)^2}{2\sigma^2}\right\}$$

Text