$\sup\{f(x)/x\in S\}$

Sup{
$$f(x)/x \in S$$
}
Another way of writing it $\sup_{x \in S} f(x)$

$$a+b = -3$$

$$a+b+c = -34$$

$$b+c = 3$$
(1)

 $\lim_{\theta \to \infty} \frac{\tan \theta}{\theta}$

\$\$\lim_{\theta \rightarrow \infty} \frac{\tan \theta}{\theta}\$\$

$$\frac{\partial y}{\partial x}f(x)$$

\$\$\frac{\partial y}{\partial x}f(x)\$\$

$$\int_0^{\pi/2} \cos\theta \ d\theta$$

 $\int_{0}^{\pi} \cos \theta^{d} \$

$$\sum_{i=0}^{n-1} (x_i - x_{i-1})^2$$

 $\sum_{i=0}^{n-1} (x_i-x_{i-1})^2$

$$\int_{0}^{2} \int_{1}^{3} \int_{1}^{2} x^{3} - 2x^{2} + 7x - 2 \ dx$$

 $\frac{1^2 \sin _1^3 \sin _1^2 x^3-2x^2+7x-2^ dx\$}{n}$ Matter goes with the text $\lim_{n\to\infty}\frac{1}{n}$ will require \displaystyle

 ${\displaystyle \prod_{n \neq n \in \mathbb{N}}\$