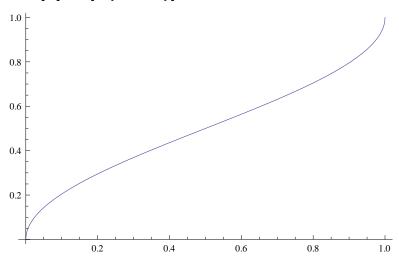
Exit[]

a > 0 & a > 0 & b > 0

t > 0 && a > 0 && b > 0

Plot[f[1, x], {x, 0, 1}]



$$f[t_{,x_{]}} := \frac{2}{\pi} Arcsin[\sqrt{x/t}]$$

Integrate $[1-f[t,x], \{x,0,t\}]$

\$Aborted

Simplify
$$\left[D\left[\frac{1}{\sqrt{a\ (a+b)}}\ ,\ b\right]\right]$$

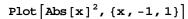
$$-\frac{a}{2(a(a+b))^{3/2}}$$

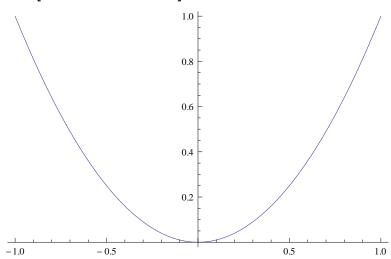
Simplify
$$\left[-\frac{a}{2(a(a+b))^{3/2}}/.b \rightarrow 0\right]$$

$$-\frac{1}{2 a^2}$$

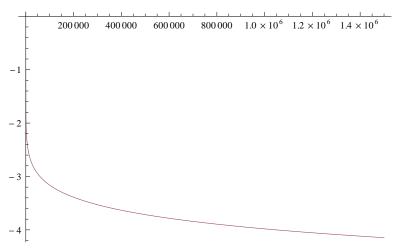
Series [Abs[x] 2 , {x, 0, 3}]

Abs $[x]^2$





Plot[{0 Log[x], -x^.1}, {x, 1, 1500000}]



 $Limit[x ^.1, \{x \rightarrow \infty\}]$

 $\{\,\infty\,\}$

Integrate
$$\left[w^{2} \frac{2 (2 m - w)}{t \text{ Sqrt}[2 \pi t]} \text{ Exp}\left[\frac{-(2 m - w)^{2}}{2 t}\right], \{w, -\infty, m\}\right]$$

Integrate
$$\left[\frac{e^{-\frac{m^2}{2t}}\sqrt{\frac{2}{\pi}}(m^2+2t)}{\sqrt{t}} - 4 \text{ m Erfc}\left[\frac{m}{\sqrt{2}\sqrt{t}}\right], \{m, 0, 1\}\right]$$

$$-2+e^{-\frac{1}{2t}}\sqrt{\frac{2}{\pi}}\sqrt{t}+(2+t)$$
 Erf $\left[\frac{1}{\sqrt{2}\sqrt{t}}\right]$

Integrate
$$\left[w^{2} \frac{2 (2 m - w)}{t \text{ Sqrt} [2 \pi t]} \text{ Exp} \left[\frac{-(2 m - w)^{2}}{2 t}\right], \{w, -\infty, 1\}, \{m, 0, 1\}\right]$$

$$e^{-\frac{1}{2 t}} \left(\sqrt{\frac{2}{\pi}} \sqrt{t} + e^{\frac{1}{2 t}} \left(-2 + (2 + t) \text{ Erf} \left[\frac{1}{\sqrt{2} \sqrt{t}}\right]\right)\right)$$

Plot
$$\left[\operatorname{Erfc}\left[\frac{1}{\sqrt{t}}\right], \{t, 0, 500\}\right]$$

