

## Logarithm Block

Simplify. $\ln 1$	Simplify. $\log 1$	Simplify. $\ln e^2$	Simplify. $\ln \frac{1}{e^2}$
Simplify. $\ln e$	Simplify. $\log 10$	Simplify. $\log 100$	Simplify. $\log \frac{1}{100}$
Simplify. $10^0$	Simplify. $e^0$	Simplify. $(\log 2)^0$	Simplify. $(\ln 10)^0$
Simplify. $\log_3 \frac{1}{9}$	Simplify. $\log_4 64$	Simplify. $\log 1000$	Simplify. $\log \frac{1}{10}$
Simplify. $e^{\ln 5}$	Simplify. $e^{\ln 10}$	Simplify. $10^{\log y}$	Simplify. $\log 10^x$
Simplify. $1 + \log 10$	Simplify. $2 + \ln \sqrt{e}$	Simplify. $(\ln e)^3$	Simplify. $3 \log 100$
Simplify. $\ln \sqrt{e}$	Simplify. $\ln \frac{1}{\sqrt{e}}$	Simplify. $\ln e^a$	Simplify. $e^{\ln z}$
Simplify. $\log \sqrt{10}$	Simplify. $\log \frac{1}{\sqrt{10}}$	Simplify. $\log 10^{2x}$	Simplify. $\ln e^{x+2}$
Simplify. $\log_2 8$	Simplify. $\log_5 25$	Simplify. $(\log 100)^3$	Simplify. $\frac{1}{\ln e^2}$

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$-2$	$2$	$0$	$0$
$-2$	$2$	$1$	$1$
$1$	$1$	$1$	$1$
$-1$	$3$	$3$	$-2$
$x$	$y$	$10$	$5$
$6$	$1$	$2\frac{1}{2}$	$2$
$z$	$a$	$-\frac{1}{2}$	$\frac{1}{2}$
$x+2$	$2x$	$-\frac{1}{2}$	$\frac{1}{2}$
$\frac{1}{2}$	$8$	$2$	$3$