

**THINK QUICK!**

**How many can you get right in  
2 minutes?**

1.  $\log_b b^h$  h
2.  $\log 1$  0
3.  $\ln 1$  0
4.  $\log_5 25$  2
5.  $b^{\log_b h}$  h
6.  $\ln e^3$  3
7.  $\log 10^y$  y
8.  $\ln e^y$  y
9.  $e^{\ln x}$  x
10.  $\log_b 1$  0
11.  $\ln \frac{1}{e}$  -1
12.  $10^{\log y}$  y
13.  $\ln e$  1
14.  $\log_3 \frac{1}{9}$  -2
15.  $\log .0001$  -4
16.  $\ln(-3)$   $\phi$
17.  $\log_8 8$  1
18.  $\log_5 \sqrt{125}$   $\frac{3}{2}$

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