## Log Activity

Calculate the following values using your calculator, and compare the answer of the left hand column with the corresponding answer in the right-hand column.

1) $\log 15=$
$\log 5+\log 3=$
2) $\log 36=$
$\log 9+\log 4=$
3) $\log 56=$
$\log 7+\log 8=$
What property is illustrated in \#1-3?
4) $\log 3=$
5) $\log 7=$
$\log 42-\log 6=$
6) $\log 6=$
$\log 30-\log 5=$
What property is illustrated in \#4-6?
7) $\log 25=$
8) $\log 32=$
9) $\log 3=$

What property is illustrated in \#7-9?
10) $\log 1000=x$
11) $\log (0.00001)=x$
12) $\quad \ln \left(e^{3}\right)=x$
$\ln \left(e^{-5}\right)=x$
What property is illustrated in \#10-12?

