## Logarithm (4A)

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## Co-function Identities

$\log _{b} x \quad \begin{aligned} & \text { The exponent that must be raised } \\ & \text { to the base } b \text { to get } x\end{aligned}$ to the base $\boldsymbol{b}$ to get $\boldsymbol{x}$
$b \log _{b} x \quad$ If the base $\boldsymbol{b}$ is raised to the power which must be raised to the base b to get $\boldsymbol{x}$

## References

[1] http://en.wikipedia.org/
[2] http://planetmath.org/
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[4] Smith, R. T., Minton, R. B. "Calculus: Concepts \& Connections," Mc Graw Hill
[5] 홍성대, "기본/실력 수학의 정석,"성지출판

