**Logarithms**



⇔



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|  | Because… |  |
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$$log\_{2}8+log\_{2}16=log\_{2}128$$

$$3+4=7$$

$$2^{3}×2^{4}=2^{7}$$

$$2log\_{2}8=log\_{2}8^{2}=log\_{2}64$$

$$2×3=6$$

$$\left(2^{3}\right)^{2}=2^{6}$$