

**Logarithmic
Form**

$$\log_b a = x$$

**Exponential
Form**

$$b^x = a$$

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Form**

$$b^x = a$$

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Practice

Convert from one form to the other.

If the logarithm's base is not written, it is automatically a _____.

$$\log 1000 = x$$

$$\log_5 625 = x$$

$$\log_7 49 = x$$

$$10^x = 0.001$$

$$5^x = 100$$

$$35^x = 8$$

$$\log_6 1 = x$$

$$0.4^x = 5$$

$$\log(x+2) = y$$

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