



## Logarithmic Functions with Base Greater than One

You mainly need to know the graph of  $\log_a$  when a > 1. The most common case of this is  $\ln(x) = \log_e(x)$ . *e* is just a number, approximately 2.7

 $\log_a(x)$  is the inverse of  $a^x$ , so the roles of x and y are exchanged



