

Exercise 260

For the following exercises, write the equation in equivalent logarithmic form.

$$e^x = y$$

Solution

The base of the logarithm is e , the exponent is the logarithm, and the result is the argument.

$$\log_e y = x$$

Note that the logarithm with base e is the natural logarithm, so this can also be written as

$$\ln y = x.$$