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1

0/1 point

Both x and the base of  $\log(x)$  must be positive

☐ True

☐ False

No answer?

Correct Answer: True

2

0/1 point

$\log(1)$  is always 1, regardless of the base.

☐ True

☐ False

No answer?

Correct Answer: False

3

0/1 point

Which of these is an exponentiation operator (to raise a quantity to a power)?

☐ `exp()`

Missed Option - Incorrect

☐ `^*`

Missed Option - Incorrect

☐ `^`

Missed Option - Incorrect

☐ `**`

Missed Option - Incorrect

No answer?

4

0/1 point

Which of these computes the logarithm of 1000 for base 10?

☐ `log(base=10, x=1000)`

Missed Option - Incorrect

☐ `log(x=1000, b=10)`

Missed Option - Incorrect

☐ `log10(1000)`

Missed Option - Incorrect

☐ `log(10,1000)`

No answer?

5

0/1 point

The default behavior of  $\log(x)$  in R is to assume the natural log (base e).

☐ True

☐ False

No answer?

Correct Answer: True

6

0/1 point

2.3421510129e12 is the same as 23.421510129e11

☐ True

☐ False

No answer?

Correct Answer: True

7

0/1 point

Which of the following squares negative 4 and adds 2 to the result?

☐  $-4^{**}(2+2)$

☐  $(-4)^2+2$

☐  $(-4)^2*(2+2)$

☐  $-4^2+2$

No answer?

Correct Answer:  $(-4)^2+2$

8

0/1 point

What is  $\sqrt{12}^{**}2$   $==$  2

☐  $\sqrt{12}^{**}2 + 2$

☐ FALSE

☐ 2

☐ TRUE

No answer?

Correct Answer: FALSE

9

0/1 point

What is `all.equal(log(XXXX), Inf)`

☐ Cannot be displayed (number too large)

☐ TRUE

☐ "Mean relative difference: Inf"

☐ Inf

No answer?

Correct Answer: TRUE

10

0/1 point

Which of these are special values in R?

☐ NA

Missed Option - Incorrect

☐ Inf

Missed Option - Incorrect

☐ NaN

Missed Option - Incorrect

No answer?

11

0/1 point

What do the expressions `NA+1` and `NA^0` return in R?

☐ Error

☐ NA and 1

☐ NA and NA

☐ 1 and 1

No answer?

Correct Answer: NA and 1

12

0/1 point