



## Logarithms - Meaning, Words to Equation as Values (Natural)



**1** Which logarithm equation shows this?

To result in 3.69, you would raise  $e$  to the power of  $x$

- |                     |                       |
|---------------------|-----------------------|
| A $\log_e 3.69 = x$ | B $\log_{3.69} x = e$ |
| C $\log_x 3.69 = e$ | D $\log_x e = 3.69$   |

**2** Which logarithm equation shows this?

To result in  $x$ , you would raise  $e$  to the power of 2.79

- |                     |                       |
|---------------------|-----------------------|
| A $\log_e x = 2.79$ | B $\log_{2.79} x = e$ |
| C $\log_x e = 2.79$ | D $\log_x 2.79 = e$   |

**3** Which logarithm equation shows this?

To result in  $x$ , you would raise  $e$  to the power of 2

- |                  |                  |
|------------------|------------------|
| A $\log_e x = 2$ | B $\log_2 e = x$ |
| C $\log_2 x = e$ | D $\log_x e = 2$ |

**4** Which logarithm equation shows this?

To result in  $x$ , you would raise  $e$  to the power of 2.58

- |                     |                     |
|---------------------|---------------------|
| A $\log_x 2.58 = e$ | B $\log_x e = 2.58$ |
| C $\log_e x = 2.58$ |                     |

**5** Which logarithm equation shows this?

To result in  $x$ , you would raise  $e$  to the power of 2.41

- |                       |                     |
|-----------------------|---------------------|
| A $\log_{2.41} x = e$ | B $\log_x e = 2.41$ |
| C $\log_e x = 2.41$   |                     |

**6** Which logarithm equation shows this?

To result in 2.78, you would raise  $e$  to the power of  $x$

- |                     |                       |
|---------------------|-----------------------|
| A $\log_e 2.78 = x$ | B $\log_{2.78} e = x$ |
| C $\log_x 2.78 = e$ | D $\log_{2.78} x = e$ |

**7** Which logarithm equation shows this?

To result in 3.15, you would raise  $e$  to the power of  $x$

- |                     |                       |
|---------------------|-----------------------|
| A $\log_x 3.15 = e$ | B $\log_{3.15} x = e$ |
| C $\log_e 3.15 = x$ | D $\log_{3.15} e = x$ |

**8** Which logarithm equation shows this?

To result in  $x$ , you would raise  $e$  to the power of 2.93

- |                       |                     |
|-----------------------|---------------------|
| A $\log_{2.93} e = x$ | B $\log_x e = 2.93$ |
| C $\log_e x = 2.93$   | D $\log_x 2.93 = e$ |