



Logarithms - Meaning, Words to Equation as Question Mark (Natural)

1 Which logarithm equation answers this?

What number would you raise e by to result in 5.07?

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|---|---------------------|---|---------------------|
| A | $\log_7 5.07 = e$ | B | $\log_e 5.07 = ?$ |
| C | $\log_{5.07} e = ?$ | D | $\log_{5.07} ? = e$ |

2 Which logarithm equation answers this?

What number would you raise e by to result in 5.87?

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|---|-------------------|---|-------------------|
| A | $\log_7 5.87 = e$ | B | $\log_e 5.87 = ?$ |
| C | $\log_7 e = 5.87$ | | |

3 Which logarithm equation answers this?

What number would you raise e by to result in 3.09?

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|---|---------------------|---|-------------------|
| A | $\log_{3.09} e = ?$ | B | $\log_e 3.09 = ?$ |
| C | $\log_7 e = 3.09$ | D | $\log_7 3.09 = e$ |

4 Which logarithm equation answers this?

What number would you raise e by to result in x ?

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|---|----------------|---|----------------|
| A | $\log_7 x = e$ | B | $\log_7 e = x$ |
| C | $\log_e x = ?$ | D | $\log_x e = ?$ |
| E | $\log_x ? = e$ | | |

5 Which logarithm equation answers this?

What number would you raise e by to result in 3?

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|---|----------------|---|----------------|
| A | $\log_3 e = ?$ | B | $\log_7 e = 3$ |
| C | $\log_e 3 = ?$ | | |

6 Which logarithm equation answers this?

What number would you raise e by to result in 3.92?

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|---|---------------------|---|-------------------|
| A | $\log_{3.92} ? = e$ | B | $\log_7 3.92 = e$ |
| C | $\log_e 3.92 = ?$ | D | $\log_7 e = 3.92$ |
| E | $\log_{3.92} e = ?$ | | |

7 Which logarithm equation answers this?

What number would you raise e by to result in 3.79?

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|---|---------------------|---|---------------------|
| A | $\log_7 e = 3.79$ | B | $\log_{3.79} ? = e$ |
| C | $\log_{3.79} e = ?$ | D | $\log_e 3.79 = ?$ |
| E | $\log_7 3.79 = e$ | | |

8 Which logarithm equation answers this?

What number would you raise e by to result in 4.8?

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|---|--------------------|---|--------------------|
| A | $\log_e 4.8 = ?$ | B | $\log_7 e = 4.8$ |
| C | $\log_{4.8} ? = e$ | D | $\log_{4.8} e = ?$ |