



Logarithms - Convert Exponent to Logarithm - Natural Base

1 Convert the given exponent to the equivalent in logarithm form

$$e^{3.71} = x$$

- | | |
|-----------------------|-----------------------|
| A $\log_x e = 3.71$ | B $\log_{3.71} x = e$ |
| C $\log_e x = 3.71$ | D $\log_x 3.71 = e$ |
| E $\log_{3.71} e = x$ | |

2 Convert the given exponent to the equivalent in logarithm form

$$e^x = 5.55$$

- | | |
|-----------------------|---------------------|
| A $\log_{5.55} x = e$ | B $\log_x e = 5.55$ |
| C $\log_x 5.55 = e$ | D $\log_e 5.55 = x$ |

3 Convert the given exponent to the equivalent in logarithm form

$$e^x = 3.41$$

- | | |
|---------------------|-----------------------|
| A $\log_x 3.41 = e$ | B $\log_e 3.41 = x$ |
| C $\log_x e = 3.41$ | D $\log_{3.41} e = x$ |

4 Convert the given exponent to the equivalent in logarithm form

$$e^x = 5.03$$

- | | |
|-----------------------|-----------------------|
| A $\log_{5.03} e = x$ | B $\log_{5.03} x = e$ |
| C $\log_e 5.03 = x$ | D $\log_x 5.03 = e$ |

5 Convert the given exponent to the equivalent in logarithm form

$$e^x = 5.97$$

- | | |
|-----------------------|---------------------|
| A $\log_{5.97} e = x$ | B $\log_e 5.97 = x$ |
| C $\log_{5.97} x = e$ | |

6 Convert the given exponent to the equivalent in logarithm form

$$e^x = 3.7$$

- | | |
|----------------------|----------------------|
| A $\log_x 3.7 = e$ | B $\log_e 3.7 = x$ |
| C $\log_{3.7} e = x$ | D $\log_{3.7} x = e$ |

7 Convert the given exponent to the equivalent in logarithm form

$$e^{3.33} = x$$

- | | |
|-----------------------|-----------------------|
| A $\log_x 3.33 = e$ | B $\log_{3.33} x = e$ |
| C $\log_x e = 3.33$ | D $\log_e x = 3.33$ |
| E $\log_{3.33} e = x$ | |

8 Convert the given exponent to the equivalent in logarithm form

$$e^{3.44} = x$$

- | | |
|---------------------|-----------------------|
| A $\log_x e = 3.44$ | B $\log_{3.44} e = x$ |
| C $\log_x 3.44 = e$ | D $\log_e x = 3.44$ |