

# Exponential and Logarithmic Functions

## AP Precalculus · Vocabulary

Write each word 3 times. 把每个单词抄写三遍。

| English                                                                                                   | 中文   | Write it 3 times (English) |  |  |
|-----------------------------------------------------------------------------------------------------------|------|----------------------------|--|--|
|  sequence                 | 数列   |                            |  |  |
|  arithmetic sequence      | 等差数列 |                            |  |  |
|  common difference        | 公差   |                            |  |  |
|  geometric sequence       | 等比数列 |                            |  |  |
|  common ratio             | 公比   |                            |  |  |
|  exponential function     | 指数函数 |                            |  |  |
|  initial value            | 初始值  |                            |  |  |
|  base                   | 底数   |                            |  |  |
|  exponential growth     | 指数增长 |                            |  |  |
|  exponential decay      | 指数衰减 |                            |  |  |
|  root                   | 方根   |                            |  |  |
|  exponential regression | 指数回归 |                            |  |  |
|  natural base           | 自然底数 |                            |  |  |
|  residual plot          | 残差图  |                            |  |  |
|  residual               | 残差   |                            |  |  |

| English                                                                                                | 中文   | Write it 3 times (English) |       |       |
|--------------------------------------------------------------------------------------------------------|------|----------------------------|-------|-------|
|  composite function   | 复合函数 | _____                      | _____ | _____ |
|  identity function    | 恒等函数 | _____                      | _____ | _____ |
|  invertible           | 可逆   | _____                      | _____ | _____ |
|  inverse function     | 反函数  | _____                      | _____ | _____ |
| $\times_2$ logarithm                                                                                   | 对数   | _____                      | _____ | _____ |
|  common logarithm     | 常用对数 | _____                      | _____ | _____ |
|  natural logarithm    | 自然对数 | _____                      | _____ | _____ |
|  logarithmic function | 对数函数 | _____                      | _____ | _____ |
|  change-of-base       | 换底   | _____                      | _____ | _____ |
|  semi-log plot      | 半对数图 | _____                      | _____ | _____ |