1. Use check marks to complete the table below. Justify your affirmative answers.

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
|  | *O* | *Ω* | *Θ* | *o* | *~* |  |
|  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |

1. Arrange the following functions in increasing order of their growth rates. Each should be “little oh” of its successor: