

DATE: ___/___/___

DAY: ___/___/___

10: Recursive Power Function:

~~find~~

Explanation:

Each call decreases n by 1

Total call = $n+1$ (including base)

Each call does constant

Multiplication

Linear growth.

Calculation:

$$T(n) = T(n-1) + 1$$

$$T(n) = n + 1$$

$$O(n)$$