EECE 3220 Summer Session Dr. Geiger. student Nome: VINCENT 4/M. Problem 1: Big 0 notation. (a) T(n) = n2 + 10n. log2 n + 3220 -> sne n² > 10n.log2n > 3220 => 0 (T(n)) - 0 (n.2). (6). T(n)=9n4+3 -> For small n such as n:12,3... 9n4>3" -> For bight n such as n >> 1: 3">> 9n4

(e.g. 3">>> 9.104). => 0 (T(n)) = 0 (3")

Page