a) T (n) = 3T (n/2) + n b

>> **Θ(nlog23)**  
b) T (n) = 64T (n/8) − n^2(log n)

>> Recurrence relation cannot be applied to this

C) T(n)= 2nT (n/2) + n^n

>> Recurrence relation cannot be applied to this

d) T (n) = 3T (n/3) + n/2

>> **Θ(n log n)**

**e)** 7T (n/3) + n^2

**>> Θ(n3)**