Find the time complexity of the below functions in Θ form. Write NA if the function does not apply to any case.

1. T (n) = 3T (n/2) + n **🡺 Θ(nlog2^3)**

b) T (n) = 64T (n/8) − n^2(log n) 🡺 NA

c) T (n) = 2nT (n/2) + n^n 🡺 **Θ(n^n)**

d) T (n) = 3T (n/3) + n/2 🡺 **Θ(n log n)**

e) .T (n) = 7T (n/3) + n^2 🡺 **Θ(n^2)**