Time complexity of the below functions in **Θ** form.

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

Ans. **Θ** ( n^.

2) T (n) = 64T (n/8) − n^2(log n)

Ans.N.A

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

Ans. N.A

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

Ans. **Θ** ( n. log n)

5) T (n) = 7T (n/3) + n^2

Ans. **Θ** ( n^2)