Master Theorem Solution:

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

**Solution: T(n) = Θ(nlog3 {base 2} )**

1. T (n) = 64T (n/8) − n^2(log n)

**Solution: NA** ( f(n) is should be positive )

1. T (n) = 2nT (n/2) + n^n

**Solution: NA** (‘a’ is not a constant)

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

**Solution: T(n) = Θ(nlog n)**

1. T (n) = 7T (n/3) + n^2

**Solution: T(n) = Θ(n2 )**