

## Master's Theorem

a.) Ans:  $T(n) = \Theta(n \log n)$

b.) Ans:  $T(n) = \Theta(n \log n)$

c.) Ans:- doesn't have any solution  
a needs to be constant

d.) Ans:-  $T(n) = \Theta(n \log n)$

e.) Ans:-  $T(n) = \Theta(n^2)$