Practice Problem

(1) 
$$T(n) = 2T(\frac{n}{2}) + m$$
  
2)  $T(n) = 2T(\frac{n}{2}) + m \log n$   
3)  $T(n) = 2T(\frac{n}{2}) + m^2$   
4)  $T(n) = 8T(\frac{n}{2}) + m^2$