CS:3330 Practice for Quiz 1, Spring 2017

1. The function $n \cdot \log_2(n)$ asymptotically	that $n^{3/2}$:
(a) grows faster(b) grows more slowly(c) grows at the same rate	
2. $2^{\log_3 n}$ can be simplied to a	
(a) logarithmic function(b) polynomial function(c) exponential function(d) sublinear function	
3. $2^{\log_2(\log_2 n)}$ can be simplied to a	
(a) logarithmic function(b) polynomial function(c) exponential function(d) sublinear function	
4. The function 2^{n^2} asymptotically	that n^{100} :
(a) grows faster(b) grows more slowly(c) grows at the same rate	
 5. The function (log₂(n))^{log₂(n)} asymptotically (a) grows faster (b) grows more slowly (c) grows at the same rate 	that n^3 :