

Question 2.

All rank is ordered from lowest growth to highest

a)  $1, \log n, 4^{\log n}, \log n!, e^n, 2^{2^n}$

b)  $\sqrt{\log n}, (\log n)!, n \cdot 2^n, (n+1)!$

c)  $\ln \ln n, 2^{\sqrt{2 \log n}}, n^2, \left(\frac{3}{2}\right)^n$