A1 Q4: Orders of Growth, Mathematically

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Lowest - Highest order of growth

1. $\frac{1}{n}$ =
2. $log_2 n$
3. $n^{0.51}$
4. $12\sqrt{n}$
5. $50n^{0.5}$
6. $nlog_2 n$
7. $n^2 - 324$
8. $n^{log_2 n}$ =
9. $2^{32}n$ =
10. $2x^3$ =
11. $100x^2 + 6x$ =
12. 3^n =

`= means that the order of complexity is very similar`

Visual Plotting of Functions