Here is a list from lowest to highest, with equivalent functions on the same line.

```
\begin{array}{ll} 1/n \\ 2^{100} & \text{(this is } O(1)) \\ \log \log n \\ \sqrt{\log n} \\ \log^2 n \\ n^{0.01} \\ \lceil \sqrt{n} \rceil, \quad 3n^{0.5} & \text{(both are } O(\sqrt{n})) \\ 2^{\log n}, \quad 5n & \text{(both are } O(n)) \\ n \log_4 n, \quad 6n \log n & \text{(both are } O(n \log n)) \\ \lfloor 2n \log^2 n \rfloor & \\ 4n^{3/2} \\ 4^{\log n} & \text{(this is equal to } n^{\log 4} = n^2) \\ n^2 \log n \\ n^3 \\ 2^n \\ 4^n \\ 2^{2^n} \end{array}
```