

### Problem 6:

- $17, 10\log 300, 2\log_{10}(10^{200}), 10^{200}$
- $n + 7\log(n^2)$
- $n\log n$
- $(n - 5)(n), n^2 + \sqrt{n}, n^2 + 7\log(n^2), n^2\log 300, \frac{3n^8}{n^6}, 10n^2 + 15n$
- $n^2\log n$
- $15n^3 + n\log n$
- $n^4, n^4 + n^2 + n^2\log n$
- $2^n$
- $3^{n^2}$