# Exercise 5

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## Exercise 5

10 points possible (graded)

**ESTIMATED TIME TO COMPLETE: 10 minutes**

For each of the following expressions, select the order of growth class that best describes it from the following list:
$O(1), O(\log(n)), O(n), O(n\log(n)), O(n^c)$ or $O(c^n)$.

- $5n$

  Select an option

- $3n^2 + 2n - 100$

  Select an option

- $10\log(n) + 5n$

  Select an option

- $10\log(n) + 5n^2$

  Select an option

- $3n^3 - 2000n^2$

  Select an option

- $2n^2$

  Select an option

- $50n + n\log(n)$

Select an option

- $1000 + 2000000$

Select an option

- $2^n + n^2$

Select an option

- $\log n + 1000$

Select an option

Submit

## Exercise 5

**Topic:** Lecture 11 / Exercise 5

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