## **CSE 332: Data Structures and Parallelism**

## **QuickCheck: Asymptotics Solutions**

## **0.** *O* boy!

For each of the following rows, circle each option on the right that is true for the function on the left and X each option that is false for the function on the left.

$n^2$	<b>P</b> MH)	$\Omega(n^2)$	$O(n^n)$	Q(Yøg/n)
$2n + n \log n$	Q(h)	$(\mathcal{O}(n\log n))$	PRANTA	<i>(</i> )/(/4/)
$\log(3^n)$	P/IAG/A)	$\bigcirc{\mathcal{O}(n)}$	$(\Omega(\log n))$	$\mathcal{O}(2^n)$
$\log(n^3)$	$\mathcal{O}(\log n)$	\$P\$.(hr/)	$\widehat{\Omega(\log n)}$	\$74/h/ <sup>3</sup> /)