Instructions. This activity will be completed in groups.
- Self-organize into groups of 4.
- Find an available spot on the board.
- Work together, as a group, on solving the questions in the order their appear on the sheet.
- Write your answers on the board, and make sure that the speaker is ready to discuss these answers.

Part 1 - 10 minutes

1. What is the definition of big-Oh again? Write its mathematical definition.
2. What does that mean, in plain English?
3. What is the big-Oh of the function $T(n) = 32n^2 + 17n + 1$, shown in Figure 1?
4. How can you prove that your answer is correct?

Part 2 - 10 minutes

1. What is the definition of big-Omega again? Write its mathematical definition.
2. What does that mean, in plain English?
3. What is the big-Omega of the function $T(n) = 32n^2 + 17n + 1$?
4. How can you prove that your answer is correct?