1. ## Your Group Info

   (a) Write down the names of the other people in your group.

   (b) Write down the name of your group.

   (c) Fill out the front page and turn it in.

2. ## Review Big Ideas from Calculus I

   (a) List ways in which you can use or interpret the derivative of a function. What information does it give you? What sort of questions can it answer? What sort of problems can it help you solve?

   (b) Explain what $\int f(x)\,dx$ and $\int_a^b f(x)\,dx$ are called and what they mean? If you are asked to evaluate them, what sort of answer do you get?

(c) List ways in which you can use the definite integral, $\int_a^b f(x)\,dx$, of a function $f(x)$. What information does it give you? What sort of questions can it answer? What sort of problems can it help you solve? (You may have answered some of this in the previous question...)

(d) How would you explain to a student new to Calculus what the symbols $\lim\limits_{x \to 2} f(x) = 5$ mean?

(e) List ways in which you can use or interpret a limit.