Worksheet 3

1. Refer to Problem 8 from Graded Problems for Homework 1. Think of this as a function with input $a$.

   (a) Graph this function. (Be sure to label the axes with appropriate units.)
   (b) Use your graph to estimate the limit of this function as $a$ approaches 2.

2. Refer to Problem 3 of Section 2.1. Think of your answers to part (a) as a function with input $x$.

   (a) Graph this function.
   (b) Use your graph to estimate the limit of this function as $x$ approaches 1.

3. Refer to Problem 5 of Section 2.1. Think of your answers to part (a) as a function with input $t$.

   (a) Graph this function. (Be sure to label the axes with appropriate units.)
   (b) Use your graph to estimate the limit of this function as $t$ approaches 2.