

Describe below, in English sentences, a function that is *related to your field of interest*. Please TYPE or PRINT your answer. You can take as model for the form of your answer the examples seen the first day in class. Include units for the variable and the function, when needed.

A function that is of interest to all of us:

Variable = t = time, (in months);

Function = $f(t)$ = amount of oil extracted from the earth by humans, from the beginning of times until time t (in barrels, or better, in billions of barrels).

We could set $t = 0$ 200,000 years ago, as fossil evidence indicates that modern humans originated in east Africa about 200,000 years ago. Since this function remained constant for thousand of years after that, we probably are better off setting $t = 0$ in 1900, fifteen years after Gottlieb Daimler invented what is often recognized as the prototype of the modern gas engine.

An answer such as:

Variable = t = time, (in months); we choose $t = 0$ to be August 1st, 2009, at midnight.

Function = $g(t)$ = number of semesters remaining at time t until I graduate;

WILL NOT be considered to be *related* to your field of interest.

Your name:

Your field of interest:

Variable:

Function: (Described in English, not a mathematical formula)