1. The daily revenue from the sale of graphing calculators is given by , where  measured in thousand dollars and represents the number of graphing calculators sold, in thousands.
2. Find the vertical intercept of  and interpret it in the context of the problem.
3. What is/are the horizontal intercept(s) of ?
4. Interpret the horizontal intercepts from **part b** in the context of the problem.
5. Graphically find the maximum revenue and the number of graphing calculators that need to be sold to produce the maximum revenue. **Round to 2 decimals.**

2. The function below models the U.S. debt, ***D***, to the United Nations in millions of dollars as a function of the time in years since 1990, ***t***.



**Round answers to 3 decimal places.**

* 1. Identify the vertical intercept from the function above and interpret it in the context of the problem.
	2. Find the maximum U.S. debt to the United Nations between 1990 and 2000 **AND** when this occurred.