## Average Global Temperature $=\mathbf{f}$ (time)

Here is some data from the World Almanac on the average global temperature by decade measured in degrees Fahrenheit: 1880, 56.65, 1890, 56.64, 1900, 56.52, 1910, 56.57, 1920, 56.74,1930, 57.00, 1940, 57.13, 1950, 57.06, 1960, 57.05, 1970, 57.04, 1980, $57.36,1990$, 57.64. Model global temperature as a function of time. Extrapolate to estimate average global temperature in 2050. Use the inverse function to predict in what year the emissions would be $10^{\circ}$ above the 1880 level. What conclusions can you draw about global warming?

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