

Math 181, Fall 2018 Handout: Two functions

1. Consider the following table of men's Olympic pole vault records over the period 1900–1912:

year	1900	1904	1908	1912
height (in)	130	138	146	154

(a) Considering the pole vault height as a function of the year, what kind of function is it?

(b) Write a formula for the function.

2. The following table has the population of Nevada between 2000–2006.

Year	Population (millions)	Change in population (millions)
2000	2.020	
2001	2.093	0.073
2002	2.168	0.075
2003	2.246	0.078
2004	2.327	0.081
2005	2.411	0.084
2006	2.498	0.087

(a) Considering the population as a function of the year, what kind of function is it?

(b) Write a formula for the function.