2. $900 is invested in an account paying interest at an annual rate of 4% compounded monthly. Express the balance of the account, A, as a function of the time, t, in years. Graph this function for values of t from 0 to 20 years.

function: $A = 900(1 + \frac{.04}{12})^{12t}$

t	A
0	900
5	1099
10	1342
15	1638
20	2000

$$A = 900(1 + \tfrac{.04}{12})^{12t}$$