Part 2:

7) Find the annual rate of change in an account with an initial investment of $30 compounded **two times per year** at a rate of 2%

8) Find the annual rate of change in an account with an initial investment of $45 compounded **monthly** at a rate of 15%

9) Find the annual rate of change in an account with an initial investment of $100 compounded 10% **every 6 years**.

10. Lizette invests $12000 in an account that grows by 12% **every 3 years**.

a) Write a function that describes the growth of her money where t is in years.

b) Find the annual rate of change on the account:

c) Determine how long it will take for her account to reach $20000

d) Determine how long it will take for her account to double.