Algebra II   Worksheet #7   Unit 10   selected solutions

2. $1200 is invested in an account paying interest at an annual rate of 2% compounded continuously. 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: $A = 1200e^{0.02t}$

t	A
0	1200
5	1326
10	1466
15	1620
20	1790

$$A = 1200e^{0.02t}$$