## Solution:

We'll use the following formulae for composite percentage

FV = PV\*(1 + i)<sup>n</sup>, where FV - future value, PV - present value, i - interest rate, n - number of years.

In our case, **FV = PV + 6000**, so we get: PV + 6000 = PV\*1.07<sup>5</sup> 1.4026\*PV - PV = 6000 0.4026\*PV = 6000

PV = 6000/0.4026 = is the sum of money we need to put into the account to get \$6,000 more in 5 years.

Answer: \$14,904.92