

Business PreCalculus MATH 1643 Section 004, Spring 2014
Worksheet 24

1- If I place \$12,500 into an account drawing 7% interest compounded monthly, how much would be in my account after 35 years.

2- Find the principal P that will generate the future value $A = \$10,000$ at 8% compounded quarterly.

3- Start from the function $f(x) = e^x$, describe the transformations that generate $h(x) = e^{x+1} + 3$. Find the horizontal asymptote of $h(x)$.

4- Given a principal $P = \$8500$ that is compounded continuously for 8 years at a rate of 4%.

a. Find the future value.

b. Find the interest earned in the given period.