Abstract. Tuesday, Sep 7.
You have 20 minutes to complete the quiz.

**Question 1.** Suppose Julius Caesar invested $10 in the First National Bank of Rome in 14AD at the interest rate of $\frac{1}{2}\%$. His will is discovered in 1994 and the heirs withdraw the accumulated proceeds. How much do they find in the bank account?

**Question 2.** In the year 2000 there are $10^{11}$ cockroaches in New York City, and then, following a breakthrough in pesticides, the cockroach population starts dropping by 10% a year. How many years must pass before there are no cockroaches (that is, the population is less than 1 cockroach.)