Abstract. Thursday, September 16.
You have 60 minutes to complete the quiz.

**Question 1. 20 points.** The rate of inflation between 1930 and 2004 is 3% per year. What amount of money would have the same buying power in 1930 as $1 has in 2004?

**Question 2. 30 points.** Freddo the loanshark is trying to figure out whether he will make more money lending at 10% a month, compounded daily, or 15% a month, compounded every 10 days. Which way is more profitable? You may assume that there are 30 days in a month.

**Question 3. 30 points.** Thrifty Thurman deposits $100 into his savings account (bearing 5% APY) every month for ten years. Wasteful Willie deposits $100 every two months for the same ten years. How much money will Thrifty Thurman have? What about Wasteful Willie?

**Question 4. 20 points.** A savings bond with a face value of $1000 pays 7% interest every year, and the face value is paid off in full at the end of fifteen years. What is the total amount of money paid out on the bond?

**Bonus Question 20 points.** Terry the Turtle covers 1 meter on day one, then eats his Wheaties, and covers 1.5 meters on day two, and every subsequent day he covers 1.5 times as much distance as on the day before (so, on the second day he covers 2.25 meters, on the third day 3.375 meters, and so on). What is the total distance covered by Terry at the end of 10 days?