Each problem is worth one point, unless noted to the contrary, for a total of ten points. The review sheet will count towards your quiz grade. It is due at the beginning of class on Thursday, November 5.

1. Write the Egyptian numeral $\text{𓊉𓊉𓊉𓊉𓊉𓊉𓊉𓊉𓊉𓊉𓊉𓊉𓊉𓊉𓊉𓊉𓊉𓊉𓊉𓊉𓊉𓊉𓊉𓊉𓊉𓊉𓊉𓊉𓊉𓊉𓊉𓊉𓊉𓊉𓊉𓊉𓊉𓊉𓊉𓊉𓊉𓊉𓊉𓊉𓊉𓊉𓊉𓊉𓊉𓊉𓊉𓊉𓊉𓊉𓊉𓊉𓊉𓊉𓊉𓊉𓊉𓊉𓊉𓊉𓊉𓊉𓊉𓊉𓊉𓊉𓊉𓊉𓊉𓊉𓊉𓊉𓊉𓊉𓊉𓊉𓊉𓊉𓊉𓊉𓊉𓊉𓊉𓊉𓊉𓊉𓊉𓊉𓊉𓊉𓊉𓊉𓊉𓊉𓊉𓊉𓊉𓊉𓊉𓊉𓊉𓊉𓊉𓊉𓊉𓊉𓊉𓊉𓊉𓊉𓊉𓊉𓊉𓊉𓊉𓊉𓊉𓊉𓊉𓊉𓊉𓊉𓊉𓊉𓊉𓊉𓊉𓊉𓊉𓊉𓊉𓊉𓊉𓊉𓊉𓊉𓊉𓊉𓊉𓊉𓊉𓊉𓊉𓊉𓊉𓊉𓊉𓊉𓊉𓊉𓊉𓊉𓊉𓊉𓊉𓊉𓊉𓊉𓊉𓊉𓊉𓊉𓊉𓊉𓊉𓊉𓊉𓊉𓊉𓊉𓊉𓊉𓊉𓊉𓊉𓊉𓊉𓊉𓊉𓊉𓊉𓊉𓊉𓊉𓊉𓊉𓊉𓊉𓊉𓊉𓊉𓊉𓊉𓊉𓊉𓊉𓊉𓊉𓊉𓊉𓊉𓊉𓊉𓊉𓊉𓊉𓊉𓊉𓊉𓊉𓊉𓊉𓊉𓊉𓊉𓊉𓊉𓊉𓊉𓊉𓊉𓊉𓊉𓊉𓊉𓊉𓊉𓊉𓊉𓊉𓊉𓊉𓊉𓊉𓊉𓊉𓊉𓊉𓊉𓊉𓊉𓊉𓊉𓊉𓊉𓊉𓊉𓊉𓊉𓊉𓊉𓊉𓊉𓊉𓊉𓊉𓊉𓊉𓊉𓊉𓊉𓊉𓊉𓊉𓊉𓊉𓊉𓊉𓊉𓊉𓊉𓊉𓊉𓊉𓊉𓊉𓊉𓊉𓊉𓊉𓊉𓊉𓊉𓊉𓊉𓊉𓊉𓊉𓊉𓊉𓊉𓊉𓊉𓊉𓊉𓊉𓊉𓊉𓊉𓊉𓊉𓊉𓊉𓊉𓊉𓊉𓊉𓊉𓊉𓊉𓊉𓊉𓊉𓊉𓊉𓊉𓊉𓊉𓊉𓊉𓊉𓊉𓊉𓊉𓊉𓊉𓊉𓊉𓊉𓊉𓊉𓊉𓊉𓊉𓊉𓊉𓊉𓊉𓊉𓊉𓊉𓊉𓊉𓊉𓊉𓊉𓊉𓊉𓊉𓊉𓊉𓊉𓊉𓊉𓊉𓊉𓊉𓊉𓊉𓊉𓊉𓊉𓊉𓊉𓊉𓊉𓊉𓊉𓊉𓊉𓊉𓊉𓊉𓊉𓊉𓊉𓊉𓊉𓊉𓊉𓊉𓊉𓊉𓊉𓊉𓊉𓊉𓊉𓊉𓊉𓊉𓊉𓊉𓊉𓊉𓊉𓊉𓊉𓊉𓊉𓊉𓊉𓊉𓊉𓊉𓊉𓊉𓊉𓊉𓊉𓊉𓊉𓊉𓊉𓊉𓊉𓊉𓊉𓊉𓊉𓊉𓊉𓊉𓊉𓊉𓊉𓊉𓊉𓊉𓊉𓊉𓊉𓊉𓊉𓊉𓊉𓊉𓊉𓊉𓊉𓊉𓊉𓊉𓊉𓊉𓊉𓊉𓊉𓊉𓊉𓊉𓊉𓊉𓊉𓊉𓊉𓊉𓊉𓊉𓊉𓊉𓊉𓊉𓊉𓊉𓊉𓊉𓊉𓊉𓊉いただける as a decimal numeral.

2. Write the Babylonian numeral $\text{𒐨𒐨𒐨𒐨𒐨𒐨𒐨𒐨𒐨𒐨𒐨𒐨𒐨𒐨𒐨𒐨𒐨𒐨𒐨𒐨𒐨𒐨𒐨𒐨𒐨𒐨𒐨𒐨𒐨𒐨𒐨𒐨𒐨𒐨𒐨𒐨𒐨𒐨𒐨𒐨𒐨𒐨𒐨𒐨𒐨𒐨𒐨𒐨𒐨𒐨𒐨𒐨𒐨𒐨𒐨𒐨𒐨𒐨𒐨𒐨𒐨𒐨𒐨𒐨𒐨𒐨𒐨𒐨𒐨𒐨𒐨𒐨𒐨𒐨𒐨𒐨𒐨𒐨𒐨𒐨𒐨𒐨𒐨𒐨𒐨𒐨𒐨𒐨𒐨𒐨𒐨𒐨𒐨𒐨𒐨𒐨𒐨𒐨𒐨𒐨𒐨𒐨𒐨𒐨𒐨𒐨𒐨𒐨𒐨𒐨𒐨𒐨𒐨𒐨𒐨𒐨𒐨𒐨𒐨𒐨𒐨𒐨𒐨𒐨𒐨𒐨𒐨𒐨𒐨𒐨𒐨𒐨𒐨𒐨𒐨𒐨𒐨𒐨𒐨𒐨𒐨𒐨𒐨𒐨𒐨𒐨𒐨𒐨𒐨𒐨𒐨𒐨𒐨𒐨𒐨𒐨𒐨𒐨𒐨𒐨𒐨𒐨𒐨𒐨𒐨𒐨𒐨𒐨𒐨𒐨𒐨𒐨𒐨𒐨𒐨𒐨𒐨𒐨𒐨𒐨𒐨𒐨𒐨𒐨𒐨𒐨𒐨𒐨 "$ as a decimal numeral.

3. Write the decimal numeral 60,479 in Roman numerals.

4. Change the number $5213_{\text{seven}}$ to base ten.

5. Change the number 3,214 to base five.
6. Suppose your credit card charges 21% interest. Calculate the monthly finance charge (i.e., interest charge) if you pay $100 of a $600 balance on the 12th day of a 30 day month using the indicated method: [1/2 pt each]
   a. Adjusted balance method.
   b. Average daily balance.

7. Your dream car has a sticker price of $24,500 with factory and dealer rebates of $3,000 or 0% financing for 5 years (in lieu of the rebate). [1/2 pt each]
   a. Find the monthly payment if financed for 5 years at 0% APR.
   b. Find the monthly payment if you take the rebate and are able to finance at 2.5% add-on interest for 5 years.

8. If $1,000 is invested in a child’s education savings account that earns 11% interest, compounded quarterly, when she is born, how much will she have when she turns 18?

9. If the rate of inflation is predicted to be 4%, how much will a $3.99 Happy Meal cost in 20 years?

10. If you invest $100 a month into an account earning 5.5% compounded monthly, how much will you have in the account after 3 years?