Cost of Electricity

In May 2006, Commonwealth Edison Company supplied electricity to residences for a monthly customer charge of $7.58 plus 8.275¢ per kilowatt-hour (kWhr) for the first 400 kWhr supplied in the month and 6.208¢ per kWhr for all usage over 400 kWhr in the month.

- What is the charge for using 300 kWhr in a month?

- What is the charge for using 700 kWhr in a month?

- Write the function that represents the monthly cost for *x* kWhr for using up to 400 kWhr.

- Write the function that represents the monthly cost for x kWhr for using more than 400 kWhr.

- Write the actual piece-wise function expressing *C* as a function of x.

- Graph your function.