Complete the Rat class

Starting with the Rat class (see Handouts) do the following:

1. Add the following operators to the class:

operator-()

operator*()

operator/()

2. Make sure Rats are reduced to lowest terms. So if a Rat is 2/4 it should be reduced to ½.

3. If a Rat represents an "improper fraction" (i.e. numerator >denominator) print the Rat as a "mixed number." So 6/4 will be printed as 1 ½.