Linked List Project"Operations on Polynomials"

Write a class called AlgebraCalc that describes a polynomial such as $f(x) = 4x^9 + 3x^6 - 2x + 7$

Store a polynomial as a linked list of terms. A term contains the coefficient and the power of x. For example, you would store f(x) as

$$(4,9), (3,6), (-2,1), (7,0)$$

Supply methods to add, multiply, and print polynomials, and to compute the derivative of a single polynomial (if you don't know the Power Rule in Calculus, just ask.) The following testers might be helpful to you.

```
public class TermTester
{ public static void main(String[] args)
    Term p = new Term(3,5);
    Term q = new Term (2,5);
    Term r = new Term (4,6);
    System.out.println (p.add(q));
    System.out.println (q.multiply(r));
}
}
            OUTPUT:
                       5x^5
                        8x^11
public class PolynomialTester
  public static void main(String[] args)
     Polynomial p = new Polynomial();
     p.addTerm(3,4);
     p.addTerm (-2,0);
     p.addTerm (1,3);
      System.out.println("Polynomial p");
      System.out.println(p)
}
      OUTPUT:
                 Polynomial p
                  +3 * x^4 + 1 * x^3 -2
                  //Notice that the terms are in decreasing order
```