```
public IPolynomial add (Term withMe) {
  Term temp = getTerm (withMe.getPow ());
  if (temp == null) {
    return putTerm (withMe);
  } else {
    return putTerm (new Term (withMe.getCoef () +
      temp.getCoef (), withMe.getPow ()));
  }
}

public IPolynomial multiply (Term withMe) {
  APolynomial returnVal = newOne ();
  for (Term t : this) {
    returnVal = returnVal.putTerm (
       new Term (withMe.getCoef () * t.getCoef (),
       withMe.getPow () + t.getPow ()));
  }
  return returnVal;
}

public IPolynomial multiply (IPolynomial withMe) {
  IPolynomial returnVal = newOne ();
  for (Term t : this) {
    returnVal = returnVal.add (withMe.multiply
                  (t.getCoef (), t.getPow ()));
  }
  return returnVal;
}

public IPolynomial add (IPolynomial withMe) {
  IPolynomial returnVal = withMe;
  for (Term t : this) {
    returnVal = returnVal.add (t.getCoef (),
                               t.getPow ());
  }
  return returnVal;
}
```