public String toString(){

if (this.exponent == 0){

return String.format("%.2f", this.coefficient);

}

else if (this.exponent == 1){

return String.format("%.2fx", this.coefficient);

}

else {

return String.format("%.2fx^%d", this.coefficient, this.exponent);

}

}

public static Term fromString(String str){

String temp = new String(str);

if (temp.contains("x^")){

temp = temp.replace("x", " ");

temp = temp.replace("^", " ");

StringTokenizer strTok = new StringTokenizer(temp);

Double coeff = Double.parseDouble((String) strTok.nextElement());

Integer expo = Integer.parseInt((String) strTok.nextElement());

return new TermImp(coeff, expo);

}

else if (temp.contains("x")){

// handle value with exponent == 1

temp = temp.replace("x", " ").trim();

return new TermImp(Double.parseDouble(temp), 1);

}

else {

// handle numeric value

return new TermImp(Double.parseDouble(temp), 0);

}

}