Programming Assignment 1 (Polynomials)

Test Cases

Test cases for method `evaluate`:

Case 1 (3 pts)

```
poly1
-----

4 6
5 3
-11 1
5 0
```

evaluated at **x=0**

Case 2 (4 pts)

```
poly1
-----

1 6
2 5
3 4
4 3
5 2
6 1
7 0
```

evaluated at **x=8**

Case 3 (1 pts)

```
poly1
-----

zero poly/
empty file
```

evaluated at **x=8**

Case 4 (2 pts)

```
poly1
-----

1 3
-7 2
9 0
```

evaluated at **x=-1**

Test cases for method `add`

Case 1 (6 pts)

```
poly1          poly2
-----          -----

1 6            -1 6
2 5            -2 5
3 4            -3 4
4 3            -4 3
5 2            -5 2
6 1            -6 1
7 0            -7 0
```

Case 2 (7 pts)

```
poly1          poly2
-----          -----

4 6            24 8
5 3            15 5
-11 1          110 4
5 0              5 1
```

Case 3 (7 pts)

```
poly1          poly2
-----          -----

1 6            3 48976
2 5            2 1090
3 4            -1 6
               -2 5
               -3 4
```

Case 4 (2 pts)

```
poly1          poly2
-----          -----

zero poly/     zero poly/
empty file     empty file
```

Case 5 (3 pts)

```
poly1          poly2
-----          -----

1 6            zero poly/
2 5            empty file
3 4
4 3
5 2
6 1
7 0
```

Test cases for method `multiply`

Case 1 (7 pts)

```
poly1          poly2
-----          -----
```

```
1 6              -1 6
2 5              -2 5
3 4              -3 4
4 3              -4 3
5 2              -5 2
6 1              -6 1
7 0              -7 0
```

Case 2 (7 pts)

```
poly1           poly2
-----           -----

4 6              24 8
5 3              15 5
-11 1           110 4
5 0               5 1
```

Case 3 (7 pts)

```
poly1           poly2
-----           -----

1 6              3 48976
2 5              2 1090
3 4             -1 6
                -2 5
                -3 4
```

Case 4 (2 pts)

```
poly1           poly2
-----           -----

zero poly/      zero poly/
empty file      empty file
```

Case 5 (2 pts)

```
poly1           poly2
-----           -----

1 6             zero poly/
2 5             empty file
3 4
4 3
5 2
6 1
7 0
```