

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 (3 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/ empty file	zero poly/ empty file

Case 5 (3 pts)

poly1	poly2
-----	-----
1 6	zero poly/ empty file
2 5	
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/ empty file	zero poly/ empty file

Case 5 (2 pts)

poly1	poly2
-----	-----
1 6	zero poly/ empty file
2 5	
3 4	
4 3	
5 2	
6 1	
7 0	
