

Name \_\_\_\_\_ Student No. \_\_\_\_ G \_\_\_\_ / \_\_\_\_ Date: \_\_\_\_\_ Score: \_\_\_\_\_  
Nickname: \_\_\_\_\_ Worksheet No.: \_\_\_\_\_

## Evaluating Polynomial

### A. Evaluate each function at the given value.

1)  $x^4 + 3x^3 - 7x^2 - 15x + 18$  at  $x = 5$

6)  $x^4 - 3x^3 + 3x^2 - x$  at  $x = 7$

Evaluated Value:

Evaluated Value:

2)  $-2x^3 - 6x^2 - 4x$  at  $x = 4$

7)  $4x^4 + 20x^3 + 25x^2 - 9$  at  $x = 2$

Evaluated Value:

Evaluated Value:

3)  $-2x^2 + 6x$  at  $x = 3$

8)  $-4x^4 - 14x^3 - 12x^2 + 2x + 4$  at  $x = 4$

Evaluated Value:

Evaluated Value:

4)  $-x^4 + 2x^2 - 1$  at  $x = -5$

9)  $-2x^4 - 7x^3 + 4x^2 + 27x + 18$  at  $x = \frac{1}{2}$

Evaluated Value:

Evaluated Value:

5)  $x^2 + x - 2$  at  $x = 3$

10)  $2x^2 + 5x + 3$  at  $x = -1$

Evaluated Value:

Evaluated Value: