

Name _____ Student No. ____ G ____ / ____ Date: _____ Score: _____
Nickname: _____ Worksheet No.: _____

Evaluating Polynomial

A. Evaluate each function at the given value.

1) $-x^3 + x^2 + 8x - 12$ at $x = 1$

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

Evaluated Value: -4

Evaluated Value: 48

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

7) $-2x^4 + 3x^3 + 9x^2 + x - 3$ at $x = -5$

Evaluated Value: -168

Evaluated Value: -1408

3) $-2x^3 + 3x^2 + 5x - 6$ at $x = -7$

8) $-2x^4 + x^3 + 9x^2 - 4x - 4$ at $x = 6$

Evaluated Value: 792

Evaluated Value: -2080

4) $x^3 + x^2 - x - 1$ at $x = 2$

9) $2x^3 + 7x^2 + 6x$ at $x = 1$

Evaluated Value: 9

Evaluated Value: 15

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

10) $x^2 - 4$ at $x = 0$

Evaluated Value: -28

Evaluated Value: -4