

# Evaluating Polynomials Worksheet Answer Key

## *We Want Answers!*

Evaluate each polynomial at the given value(s) of the variable(s).

1.  $3x^2 + 2x - 3; x = 2$

13

6.  $-2x^3 + 4x^2 - 3x + 11; x = -2$

49

2.  $2x^2 - 4y; x = -1, y = 3$

-10

7.  $x^4 - 12; x = -3$

69

3.  $3xy + x^2 - 2xy^2; x = 2, y = -3$

-50

8.  $3x + 3y + xy - 3x^2y; x = 1, y = -1$

2

4.  $4x^2 - 3x - 2; x = \frac{1}{2}$

$-\frac{5}{2}$

9.  $5x^2 + 2x + 3y^2 + 4y - z; x = 4, y = -3$

96

5.  $2xy - 4x + 3y; x = 5, y = 4$

32

10.  $-4x^2 - 3x - 2; x = -\frac{1}{2}$

$\frac{3}{2}$

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