

Assignment 2 – Adding Polynomials

Add the following polynomials with the help of Algetiles.

1) $(-3x^2 + 6x - 5) + (4x^2 + x - 9)$

2) $(x^2 - x - 1) + (-4x^2 + x + 3)$

Add the following polynomials without Algetiles.

3) $(x^2 + 2x + 2) + (2x^2 + x + 1) =$

7) $(9r - 6s + 2t) + (-3r + s - 4t) =$

4) $(-2x^2 + 2x) + (-x^2 + x - 2) =$

8) $(7a - 4b) + (3a + 4b) =$

5) $(4k^2 + 2k - 5) + (3 - k - 2k^2) =$

9) $2x + (4x - 5) =$

6) $(8xy + 7x) + (5x - 4xy) =$

10) $(7x^2 + 4) + (x^2 + x) =$

11) $(4 + 2n^3 + n^2) + (3n^2 + 8) =$

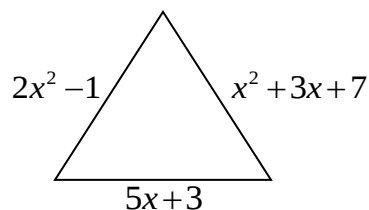
12) $(5x^2 - x + 8) + (3x^2 - 4x - 9) =$

13) $(-3y^4 - 8xy + 7) + (-2y^4 + 4xy - 3) =$

14) $(4m^2 + 8mn + 2n^2) + (m^2 - 2mn + n^2) =$

15) $(-9xy^3 - 9x^4y^3) + (3xy^3 + 7y^4 - 8x^4y^4) + (3x^4y^3 + 2xy^3) =$

16) Write an equation in the simplest form for the perimeter of the figure below.



If $x = 4$, what is the perimeter of this figure?