

Adding and Subtracting Polynomials

Name _____
Date _____ Pd. _____

Find each sum or difference.

1. $(4a - 5) + (3a + 6)$

2. $(3p^2 - 2p + 3) - (p^2 - 7p + 7)$

3. $(7x^2 - 8) + (3x^2 + 1)$

4. $(x^2 + y^2) - (-x^2 + y^2)$

5.
$$\begin{array}{r} 5a^2 + 3a^2x - 7a^3 \\ (+) 2a^2 - 8a^2x + 4 \end{array}$$

6.
$$\begin{array}{r} 5x^2 - x - 4 \\ (-) 3x^2 + 8x - 7 \end{array}$$

7.
$$\begin{array}{r} 2x + 6y - 3z + 5 \\ 4x - 8y + 6z - 1 \\ (+) x - 3y + 6 \end{array}$$

8.
$$\begin{array}{r} 11m^2n^2 + 2mn - 11 \\ (-) 5m^2n^2 - 6mn + 17 \end{array}$$

9. $(5x^2 - x - 7) + (2x^2 + 3x + 4)$

10. $(5a + 9b) - (4b + 2a)$

11. $(5x + 3z) + 9z$

12. $6p - (8q + 5p)$

13. $(5a^2x + 3ax^2 - 5x) + (2a^2x - 5ax^2 + 7x)$

14. $(x^3 - 3x^2y + 4xy^2 + y^3) - (7x^3 - 9x^2y + xy^2 + y^3)$

15. $(d^2 - d + 5) - (-d^2 + d + 5)$

Find the measure of the third side of each triangle. P is the measure of the perimeter.

16. $P = 3x + 3y$



17. $P = 7x + 2y$

