

Algebra 1, 8.1.1: Adding & Subtracting Polynomials

Name: \_\_\_\_\_

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. $\frac{5a^2 + 3a^2x - 7a^3}{+ 2a^2 - 8a^2x + 4}$	6. $\frac{5x^2 - x - 4}{-(3x^2 + 8x - 7)}$
7. $(5x^5 - x^3 - 7) + (2x^5 + 3x^2 + 4)$	8. $\frac{11m^2n^2 + 2mn - 11}{-(5m^2n^2 - 6mn + 17)}$
9. $(5a + 9b) - (4b + 2a)$	10. $(5x + 3z) + 9z$
11. $(d^2 - d + 5) - (-d^2 + d + 5)$	
12. $(x^3 - 3x^2y + 4xy^2 + y^3) - (7x^3 - 9x^2y + xy^2 + y^3)$	
13. $(5a^2x + 3ax^2 - 5x) + (2a^2x - 5ax^2 + 7x)$	

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

16.  $P = 3x + 3y$



17.  $P = 7x + 2y$

