

# Algebra I Worksheet #3 Unit 10 page 1

---

Perform the indicated operations. (Change subtraction to addition.)

1.  $(4x^2 - x + 3) + (2x^2 - 5x - 8) =$  \_\_\_\_\_

2.  $(-5x^2 + 7x - 6) + (3x^2 - 5x + 2) =$  \_\_\_\_\_

3.  $(2x^2 - 3x - 5) + (-3x^2 - 3x + 5) =$  \_\_\_\_\_

4.  $(-3x^2 + 6x + 5) + (-2x^2 - 7x - 8) =$  \_\_\_\_\_

5.  $(x^2 - 4x + 1) + (3x^2 + 4x - 5) =$  \_\_\_\_\_

6.  $(6x^2 - 8x - 5) + (-3x^2 - 8x + 7) =$  \_\_\_\_\_

7.  $(2x^3 - 3x^2 + 9x - 3) + (5x^3 - 7x^2 - 10x + 5) =$  \_\_\_\_\_

8.  $(-2x^3 + 5x^2 - x - 6) + (3x^3 - 5x^2 - 3x + 2) =$  \_\_\_\_\_

9.  $(2x^2 + 5xy - 7y^2) + (-2x^2 - 7xy - 4y^2) =$  \_\_\_\_\_

10.  $(-5x^2 - xy + 3y^2) + (-3x^2 - 4xy + y^2) =$  \_\_\_\_\_

11.  $(5x^3 - 2x^2y + 5xy^2 - 3y^3) + (-3x^3 - 3x^2y - 5xy^2 + 7y^3) =$  \_\_\_\_\_

12.  $(-x^3 + 3x^2y - 2xy^2 + 7y^3) + (2x^3 + 3x^2y - 7xy^2 - 8y^3) =$  \_\_\_\_\_

13.  $(7x^2 - 3x + 8) - (9x^2 - x - 3) =$  \_\_\_\_\_

14.  $(2x^2 + 4x - 1) - (6x^2 - x + 5) =$  \_\_\_\_\_

15.  $(-2x^2 - 6x + 1) - (-5x^2 - 8x + 3) =$  \_\_\_\_\_

16.  $(x^2 + 8x - 4) - (-6x^2 - 3x - 5) =$  \_\_\_\_\_

# Algebra I Worksheet #3 Unit 10 page 2

Perform the indicated operations. (Change subtraction to addition.)

17.  $(3x^2 - 2x - 1) - (4x^2 + 2x - 3) = \underline{\hspace{10cm}}$

18.  $(-3x^2 + 6x - 2) - (-x^2 - x + 1) = \underline{\hspace{10cm}}$

19.  $(5x^3 + 4x^2 - 3x - 7) - (2x^3 - 4x^2 + 2x - 5) = \underline{\hspace{10cm}}$

20.  $(-5x^3 + 3x^2 + x - 1) - (-6x^3 + x^2 + 5x + 6) = \underline{\hspace{10cm}}$

21.  $(x^2 - 2xy - y^2) - (-3x^2 - 5xy + 2y^2) = \underline{\hspace{10cm}}$

22.  $(4x^2 - 5xy + 6y^2) - (3x^2 - 5xy - 6y^2) = \underline{\hspace{10cm}}$

23.  $(x^3 + 5x^2y - 3xy^2 + y^3) - (5x^3 - x^2y + xy^2 - y^3) = \underline{\hspace{10cm}}$

24.  $(-3x^3 - x^2y + 5xy^2 - 3y^3) - (-2x^3 + x^2y - 2xy^2 - 2y^3) = \underline{\hspace{10cm}}$