Name_____ Date:. _____

Algebra 1- Worksheet Polynomials

Subtracting Polynomials

RULE: To subtract two polynomials, add the opposite of the 2nd polynomial

Steps 1 switch all the signs in the 2nd polynomial to their opposites
Step 2 line up like terms vertically, then add them together.

Watch the video and Study the example before you start the exercise.

WATCH VIDEO >>>>>>

EXAMPLE:

SUBTRACT $(15x - 8) - (9a - 3)$

Notice the sign of 9a and 3 are change to to their opposite below.

$$15a - 8$$
$$-9a + 3$$
$$\boxed{6a - 5}$$

Complete the exercise below #1 - 4

1) Subtract $(x - 11) - (-4x + 5)$

$$x - 11$$
$$4x - 5$$

2) Subtract $(5x^3 + x - 4) - (3x^3 + 5x - 5)$

Finish setting up the problem below then add the opposite of the second polynomial

$$5x^3 + x - 4$$

_____

liveworksheets.com

3. Subtract$(-13x^5 - 6x - 1) - (-3x^5 - 10x + 3)$

$-13x^5 - 6x - 1$

$\underline{3x^5 + 10x - 3}$

4. Subtract $(8x - 4y + 9) - (-2x + y + 4)$

Finish setting up the problem below

Then add the opposite.

$8x - 4y + 9$

_____

liveworksheets.com