- * Polynomials an expression composed of variables, constants, that are combined using addition, subtraction, multiplication, and division.
 - * binomial polynomial with 2 terms.

$$ax+3$$

* Trinomial - polynomial with 3 terms.

$$5\chi^2 + \chi - a$$

* Degree — the highest power to which the variable is raised.

$$\chi_1^{a} - 5\chi + 3$$
 ex) $\chi_1^{s} + 3\chi^{3} + \chi + 1$
Degree = ∂ Degree = 5

1. Perform the following additions and/or subtractions:

$$(bt^{2} + 7t + 2) + (bt^{2} + 4t + 7)$$

$$bt^{2} + 7t + 2 + bt^{2} + 4t + 7$$

$$bt^{2} + 7t + 2 + bt^{2} + 4t + 7$$

$$bt^{2} + 11t + 9$$

* since this is an addition problem, you can drop the (). * Then add Like terms.

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2. Perform the following additions and/or subtractions: $(4h^{2} - h + l_{e}) + (5h^{2} - 4h + 3)$

$$\frac{4h^{2}-h+b}{9h^{2}-5h+9} = \frac{4h+3}{2}$$

* Since this is an addition problem, you can drop the (). * Then add Like terms. 3. Perform the following additions and/or subtractions:

$$(br^{3} + 5r^{2} + 2r) + (3r^{2} + 5r + 8)$$

$$br^{3} + 5r^{2} + 2r + 3r^{2} + 5r + 8$$

$$br^{3} + 8r^{2} + 7r + 8$$

Since this is an addition problem,
you can drop the ().
* Then add like terms.

4. Perform the following additions and/or subtractions:

$$(\chi^{2} + \chi - 1) - (-\chi^{2} - \chi + 1)$$

$$(\chi^{2} + \chi - 1) - (-\chi^{2} - \chi + 1)$$

$$\chi^{2} + \chi - 1 + \chi^{2} + \chi - 1$$

$$2\chi^{2} + 2\chi - 2$$

- * When subtracting polynamials, you need to distribute the minus sign.
 * Multiply the (-) sign by each term inside the () that follows it.
 Think about it like multiphying each term in () by (-1).
 - * Then combine like terms.
- 5. Perform the following additions and/or subtractions:

$$(3r^{2} - 8r - 1) - (-3r^{2} + 8r + 1)$$

$$(3r^{2} - 8r - 1) - (-3r^{2} + 8r + 1)$$

$$3r^{2} - 8r - 1 + 3r^{2} - 8r - 1$$

$$6r^{2} - 16r - 2$$

* When subtracting polynamials, you need to distribute they minus sign.
* Multiply the (-) sign by each term inside they () that follows it.
Think about it like multiplying each term in () by (-1).

* Then combine like terms.

6. Perform the following additions and/or subtractions:

$$(h^{3} - 2h^{2} - 6) - (-7h^{3} + 8h^{2} + 1)$$

$$(h^{3} - 2h^{2} - 6) - (-7h^{3} + 8h^{2} + 1)$$

$$h^{3} - 2h^{2} - 6 + 7h^{3} - 8h^{2} - 1$$

$$8h^{3} - 10h^{2} - 7$$

- * When subtracting polynomials, you need to distribute the minus sign.
- * Multiply the (-) sign by
 each term inside the ()
 that follows it.
 Think about it like multiplying
 each term in () by (-1).
 - * Then combine like terms.

7. Perform the following additions and/or subtractions:

$$(4a^{2} + 4a + b) - (2a^{2} + 7a - b) + (ba^{2} + 7a - b)$$

$$(4a^{2} + 4a + b) - (2a^{2} + 7a - b) + (ba^{2} + 7a - b)$$

$$4a^{2} + 4a + b - 2a^{2} - 7a + b + ba^{2} + 7a - b$$

$$8a^{2} + 4a + b$$

Hint: When combing like terms, use different colors or lines drawn under to help keep track.