

Math 9

Name: _____

5.4 - Subtracting Polynomials

Date: _____

Evaluate the following:

$$(+4) - (+3) =$$

$$(+4) + (-3) =$$

$$(-4) - (+6) =$$

$$(-4) + (-6) =$$

$$(+5) - (-3) =$$

$$(+5) + (+3) =$$

$$(-5) - (-3) =$$

$$(-5) + (+3) =$$

Subtracting integers is the same as _____.

We can apply the same strategy when **subtracting polynomials**.

1. $(+4x) - (+3x) =$

2. $(-5x) - (-3x) =$

3. $(4x+3) - (2x-1) =$

$$4. (-2a-3)-(-4a+2) =$$

When a bracket has a negative sign in front of it _____

$$5. (3m^2-4m)-(2m^2-6m) =$$

$$6. (-2p^2+p-1)-(-p^2-3p+2) =$$

$$7. (2x^2-2xy+2)+(3x^2+xy-3) =$$

$$8. (5x^2-3xy+2y^2)-(8x^2-7xy-4y^2) =$$

$$9. (-3b^2+5ab-2a^2)-(-5b^2-8ab+7a^2) =$$

10. Determine the following subtractions in Algebra Tiles form and in algebraic form.

