LIKE TERMS

Like-terms contain the same pronumerals with the same powers:

Example: 3x and 7x

2ab and -9ab

(the pronumerals do not need to be in the same order, so 4xy and 8yx are also like-terms)

Counterexample:

5x and $7x^2$ are NOT like terms

LIKE-TERMS CAN BE COMBINED

Like-terms can be combined when they are added or subtracted to simplify an expression:

example:
$$3xy + 5xy = 8xy$$

(a subtraction sign stays in front of a term when it's moved

example:

$$3x + 7y - 2x + 3y + x - 4y = 3x - 2x + x + 7y - 4y$$

= $2x + 3y$