SIMPLIFYING EXPRESSIONS

1. $2y + 5y$

2. $5b - 2b$
   3b

3. $2x + 9 + 5x - 1$

4. $6x - 3b$
   6x-3b

5. $6w - 7w + 7$

6. $v - 3v$
   -2v

7. $6x + 3 - 9x - 5$

8. $r - 3x + r + 8x$
   2r+5x

9. $4x^2 - 5x + 9x^2 - 12x$

10. $-9y^2 + 4y^3 - 3y$
    -9y²+4y³-3y

11. $-2n + (-6n) - (-12)$

12. $13y - (-y) + (-2y)$
    12y

Like Terms:
   Terms: a # or variable separated by
      addition or subtraction.
    EX: $3x + 1 \rightarrow$ terms $3x$, 1
Coefficient: the # in front of the variable.

Combining Like Terms

LIKE TERMS:	same variable
	same exponent
	add/subt. the coefficient Keep the exponent

$-2x + 3 - 4x + 5 - 4x^2 + 11 - 15x + 2x^2 - 15$

$-2x$	3	$-4x^2$
$-4x$	5	$2x^2$
$-15x$	11	
$-21x$	-15	$-2x^2$
	4	

$\boxed{-2x^2 - 21x + 4}$

$x + 2x - 9 + xy - 2 - 3x + 2xy - 4 - 3yx$

x	-9	xy
$2x$	-2	$2xy$
$3x$	-4	$-3xy$
$0x$	-15	$0xy$

$\boxed{-15}$

$4x + yz - 3 + 2x + 4xyz - x + 8 + 2zy - 9$

$4x$	yz	-3
$2x$	$2zy$	8
$-1x$		-9
$5x$	$3yz$	-4
		$4xyz$

$\boxed{5x + 3yz - 4 + 4xyz}$