

Algebra 0507
Chapter 1
Intro to WS # 11

Name _____

Numerical Coefficient: _____

in front a variable

$$\begin{array}{ccc} \underset{\uparrow}{2}x & \underset{\uparrow}{\frac{1}{2}}y & \underset{\uparrow}{-2}z \quad m \end{array}$$

Circle the numerical coefficients.

1. $\textcircled{2}a$	2. $\textcircled{-\frac{1}{2}}x^2$	3. $\textcircled{-0.05}x^3y$
4. $\textcircled{1}y$	5. $\textcircled{1}x^3y^2$	6. $\textcircled{\frac{2}{3}}xy^4$

Term: _____

variable; #; product of var; #
eg) 6 p $3x$ $-x^2y$

Put a box around each term.

7. $\boxed{2x} + \boxed{3x} - y$	8. $\boxed{9m} - \boxed{6r}$	9. $\boxed{\frac{1}{2}y} + \boxed{2y^2} + 4$
10. $\boxed{-6m^2n}$	11. $\boxed{4xy} - \boxed{7xy}$	12. $\boxed{3a} - \boxed{11a^2}$

Like Terms: have same var's w/ same exponents
 $2x, 3x$; $-5x^2y, 10x^2y$; $7, 2$; $-xyz, 3xyz$

Adding & Subtracting Like Terms You can only +, - L.T.

- What do you do with the coefficients? + or - Coefficients
- What do you do with the variables? Keep var's SAME!

Combine like terms.

17.	$\underline{8x} + \underline{2x}$ $10x$	18.	$\underline{5a^2} + \underline{7a^2}$ $12a^2$
19.	$4m^2 + \underline{1m^2}$ $5m^2$	20.	$3ab + \underline{1ab}$ $4ab$
21.	$m + 19m$	22.	$4a - 3a$
23.	$\underline{7x - x} + \underline{5y + 6y}$ $6x + 11y$	24.	$\underline{8xy + 3x - 5xy + 4x}$ $3xy + 7x$
25.	$4\frac{1}{2}x + 7\frac{1}{3}x + 8$	26.	$6 + 2x + 4x$
27.	$7x - x + 3y + 5$	28.	$5m^2 - 3m^2$