

(1 is the identity element for multiplication.)

Like Terms/Similar Monomial:

*** terms that have the same variable(s) with the same exponent(s)

*** like terms may only differ by their coefficient

Coefficient: the constant or constants by which the variable is being multiplied

Distribution

**** Process of multiplication over TERMS with the removal of parenthesis

*** Always multiply the MONOMIAL factors first and then distribute, when there are multiple factors which need to be distributed.

NO! NO!

$$\begin{array}{l} -3(2y-6)4x \\ -3 \cdot 4x(2y-6) \\ -12x(2y-6) \\ -24xy + 72 \end{array}$$
$$\begin{array}{l} -3(2y-6)4x \\ -6y + 18 \cdot 4x \\ -6y + 18 + 4x \\ (-6y + 18)4x \end{array}$$

Preview from Notesale.co.uk
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