

Name _____ Period _____

Combining Like Terms (Part 2)

LIKE TERMS

- 1) number terms _____
- 2) "a" terms _____
- 3) "a" "c" "m" terms _____
- 4) terms with 2 "a"s and one "m" _____

UNLIKE TERMS

- 1) number term, "y" term _____
- 2) number term, "a" term _____
- 3) "a" term, "c" term _____
- 4) first term with variables "a"
"c", "m" _____
- 5) first term has 2 "a"s and one "m"
and second term has 2 "m"s
and one "a" _____

Practice:

- 1) $3cde$ and $-8dec$ like or unlike
- 2) $5pqr^2s$ and $9prq^2s$ like or unlike

Guidelines for telling whether or not you are dealing with "like terms" :

1) _____

2) _____

3) _____

Although terms like "ac" and "ca" look different, the _____

_____ guarantees that they are _____.

$$ac = ca$$

More examples of like terms:

1) ax^2m and mx^2a

2) xna and $7axn$

3) $5mrv$ and $7rvm$

Make up an example of your own: _____ and _____

STEPS FOR COMBINING LIKE TERMS:

$$-5x^3 + 3y + 7x^3 - 2y - 4x^2$$

1) Identify _____

2) Combine _____

3) Order _____

Practice:

1) $6v - 2xy^2 - 8v + 4xy - 5v^2 + 6xy^2 - 3w + 4v^2$

2) $10a^2b - 12ab^2 + 6b - c + 3a^2 - 3ab^2 + c^2 - 5b + 4a^2b - 8$