

NAME: _____

DATE: _____

Like Terms

1. In your own words, what is a like term? How can you tell?

2. Circle all the terms below that are like terms with $3x$.

$2x$ x^2 $3y$ x xy $3xy$ p^2 x^3 $8x$ $2308x$

3. Write three terms that are like $5y^2$.

4. Combine the like terms, if possible.

a. $2x + 3x$

f. $9c - 2c + 3m$

b. $8y - 3y$

g. $23x + 10$

c. $2x^2 + 2x$

h. $5s - 3u - 6s$

d. $a + b + c$

i. $2c - 3b - 4c - 5b$

e. $2p + 3p + 4p$

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5. We know that $-8m$ and $7m$ are like terms.
 - a. What does the 8 in $8m$ tell us?

 - b. What does the 7 in $7m$ tell us?

 - c. Explain why these are like terms.

6. We know that $5c$ and $5c^2$ are not like terms.
 - a. What does the c in $5c$ tell us?

 - b. What does the c^2 in $5c^2$ tell us?

 - c. Explain why these are not like terms.

7. Write an example of four like terms (all alike to one another).

8. Give an example of three terms that are not alike one another.

9. Challenge! Create a list of four terms. Three must be alike. Ask a classmate to try to find the unlike term. Switch and try your classmate's challenge!