

Full Name: \_\_\_\_\_ Date: \_\_\_\_\_

## Like Terms

- \* **Like terms** are the \_\_\_\_\_ that have the \_\_\_\_\_ raised to the \_\_\_\_\_.
- \* \_\_\_\_\_ themselves are *like terms* because they DO NOT have variables.

Example: Determine whether the give pairs are like terms or not.

Use following key words to show your reason.

both are constant, the same variable, different variables,  
different powers, commutative property of multiplication

Terms	Like terms (Y/N)	Reason
$3x, 2x$		
$3x, 2y$		
$3ab, 2ab$		
$3x, 3x^2$		
$3xy, 2yx$		
$2, 3$		
$2xy^2, 2x^2y$		
$-5, 6$		
$\frac{5}{6}, 2x$		
$\frac{5}{6}, -5$		

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## DO NOW!

Draw the same color for the **like terms** in given algebraic expressions.

(1)  $-3 + 2r + 7r + 4 + 8r$

(2)  $-3m - 1 + m - 5m - 2m$

(3)  $8w - 6w + 5 + 5 - 1$

(4)  $5x - 6y^5 - 14y^5 - 13x$

(5)  $-3x + 14x^2 + 6x - 1 + 9x$

(6)  $-1 - 14x^2 + 13x^2 + 9x^2$

(7)  $5y - 13 + y$

(8)  $8 - 9 + 0 + 3y^3 - 9$

(9)  $4xy - 3x + 5y - 5$

(10)  $-3xy^2 + 2x^2y + 4xy$

(11)  $3 + \frac{5}{6} - x + 0.6$