Name:	D	ate:	Unit 1 Class Work
	Combining Like	Terms Class Work	
∀ You will be able to.	simplify algebraic expres	sions by combining like te	erms.
★ Consider This			
Let g represent the nun	nber of giraffes and h repres	sent the number of horses.	
◆ What would 3g + 4h	represent?		
Could you simp	lify this to 7gh? Why or wh	y not?	
• What would 3g + 2g	represent?		
Could you simp	lify this to 5g? Why or why	not?	
◆ What would 7h + 3h	represent?		
Could you simp	lify this to 10h? Why or wh	y not?	
∞ "Like terms" are			
Identify whether	or not each pair of term	ns are like or unlike. If u	unlike, explain why.
• 3x ² & 8x ²	• 2k and 3k ²	• -8p & 8p	• 4b and -7b

Simplify the expression: $2w^2 + 3wx - 4w + 5 - w^2 + -8w + 11wx$.

Now You Try Some! 1. Combine like terms to simplify each expression.

b.
$$3y^2 + 7p - 8p + 9y^2$$

C.
$$7y - 2 - 7y + 10$$

d.
$$5r - 3s + 8 - 7s + r$$

e.
$$6x^2 + 3x - 2 + x^2 - x + 1$$

$$f. m + 2n + 4m - n + 1$$

- 2. Write an expression to represent the situation. Simplify by combining like terms.
- a. The length of a rectangle is four units longer than double its width. Write a simplified expression that represents the perimeter of the rectangle.
- b. The length of a rectangle is two units shorter than its width. Write a simplified expression that represents the perimeter of the rectangle.

Name:	Da	te:	Unit 1 Class Work
• WHAT IT IS			
• WHAT IT IS	N'T An example of NOT like terms is:		
◆ HOW IT W	ORKS Simplify the expression. Be sure to	show all work. $3x^2 + 3r + 5x^2 - r$	
*Whe	D'RE DONE, COMPLEMENTS-A-TON n you are finished, visit each other gr ling their work! ☺	oup and write a positive comple	ment to them
• WHAT IT IS	An example of like terms is:		
• WHAT IT IS	N'T An example of NOT like terms is:		
• HOW IT W	ORKS Simplify the expression. Be sure to	show all work. $3x^2 + 3r + 5x^2 - r$	

*When you are finished, visit each other group and write a positive complement to them

• WHEN YOU'RE DONE, COMPLEMENTS-A-TON

regarding their work! ©

Write a statement regarding how many pieces of each colored paper you have in your bag.		
*What did you do first?		
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