

Name: \_\_\_\_\_ Date: \_\_\_\_\_ Period: \_\_\_\_\_

### Homework Combining Like Terms

Simplify each expression

1.  $-6k + 7k$

2.  $n - 10 + 8n - 3$

3.  $12r - 8 - 12$

4.  $-4x - 10x$

5.  $-2x + 11 + 6x$

6.  $-v + 12v + 10g$

7.  $4p + 2p - 6p$

8.  $n + 4 - 9 - 5n$

9.  $12r - 12 + 8r - 8$

10.  $x^2 + 2x + 3x^2 + 4x$

11.  $x^2 - 5y + 3xy + 2x$

12.  $2b + 5b^2 - 10b - 6b^2$

13.  $2x - 2y + 9 + 3x - 2 - 3y + 4z$

14.  $4xy + 5yx$

15.  $2x + 2y + 4z - 2x - 2y - 4z$

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### Homework Combining Like Terms

Simplify each expression

1.  $-6k + 7k$

$1k$   
 $k$   
DO NOT NEED  
THE 1 IN FRONT  
OF K.

2.  $n - 10 + 8n - 3$

$9n - 13$

3.  $12r - 8 - 12$

$12r - 20$

4.  $-4x - 10x$

$-14x$

5.  $-2x + 11 + 6x$

$4x + 11$

6.  $-v + 12v + 10g$

$11v + 10g$

7.  $4p + 2p - 6p$

$-2p + 2g$

8.  $n + 4 - 9 - 5n$

$-4n - 5$

9.  $12r - 12 + 8r - 8$

$20r - 20$

10.  $x^2 + 2x + 3x^2 + 4x$

$4x^2 + 6x$

11.  $x^2 - 5y + 3xy + 2x$

$x^2 + 2x - 5y + 3xy$

NO LIKE TERMS

12.  $2b + 5b^2 - 10b - 6b^2$

$-1b^2 - 8b$

$-b^2 - 8b$

DO NOT NEED  
THE -1 IN FRONT  
OF  $b^2$ ,

13.  $2x - 2y + 9 + 3x - 2 - 3y + 4z$

$5x - 5y + 4z + 7$

14.  $4xy + 5yx$

$4xy + 5xy$

$9xy$

$5yx = 5xy$

Variables are  
arranged in  
alphabetical order.

15.  ~~$2x + 2y + 4z - 2x - 2y - 4z$~~



ALL LIKE TERMS  
MAKE ZERO PAIRS,