



Name: \_\_\_\_\_

Date: \_\_\_\_\_

## Algebra 1 – Unit 1 – Combining Like Terms (Challenge)

1.  $2y - 3y + 3y - 5y + 3y + 3 - 5$

2.  $-4x + 7x - 4x + 4x$

3.  $-4y + 4y - 6y + 3y$

4.  $5x - 4y + 11 - 2x + 5z + 8y - 4 + 6x$

5.  $4x + 6y + 3z + 1w - 3x + 4y - 3z$

6.  $8x - 4y + 15 - 3x + 2z + 3y - 5 + 6x$

7.  $3x - 4y + 13 - 6x + 4z + 4y - 5 + 5x$

8.  $4a - 4a + 7a - 4a + 4a + 4 - 8$



# Algebra 1 – Unit 1 – Combining Like Terms (Challenge) – Answer Key

1.  $2y - 3y + 3y - 5y + 3y + 3 - 5$   
 $0y - 2$

2.  $-4x + 7x - 4x + 4x$   
 $3x$

3.  $-4y + 4y - 6y + 3y$   
 $-3y$

4.  $5x - 4y + 11 - 2x + 5z + 8y - 4 + 6x$   
 $9x + 4y + 5z + 7$

5.  $4x + 6y + 3z + 1w - 3x + 4y - 3z$   
 $1x + 10y + 0z + 1w$

6.  $8x - 4y + 15 - 3x + 2z + 3y - 5 + 6x$   
 $11x - 1y + 2z + 10$

7.  $3x - 4y + 13 - 6x + 4z + 4y - 5 + 5x$   
 $2x + 0y + 4z + 8$

8.  $4a - 4a + 7a - 4a + 4a + 4 - 8$   
 $7a - 4$