

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

Score : \_\_\_\_\_

Teacher : \_\_\_\_\_

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

## Simplifying Algebraic Expressions

1)  $4 + 8z - 5x$  use  $z = 3$  and  $x = 8$

6)  $9k - b$  use  $k = 4$  and  $b = 6$

2)  $4w - 3 + 2z$  use  $w = 7$  and  $z = 8$

7)  $5n - 9x + 3$  use  $n = 4$  and  $x = 5$

3)  $8b + 2r$  use  $b = 2$  and  $r = 8$

8)  $-3 - 7d - 4 - 2w$  use  $d = 8$  and  $w = 2$

4)  $-9 - 8n - 2h + 7$  use  $n = 4$  and  $h = 6$

9)  $9r + 2 + 3s$  use  $r = 6$  and  $s = 9$

5)  $k + 3w$  use  $k = 4$  and  $w = 3$

10)  $8k + 3 - 6d + 4$  use  $k = 2$  and  $d = 7$

Solve: use the values of the letters eg  $3d = 3$  times the value of  $d$



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## Simplifying Algebraic Expressions

1)  $4 + 8z - 5x$  use  $z = 3$  and  $x = 8$   
-12

6)  $9k - b$  use  $k = 4$  and  $b = 6$   
30

2)  $4w - 3 + 2z$  use  $w = 7$  and  $z = 8$   
41

7)  $5n - 9x + 3$  use  $n = 4$  and  $x = 5$   
-22

3)  $8b + 2r$  use  $b = 2$  and  $r = 8$   
32

8)  $-3 - 7d - 4 - 2w$  use  $d = 8$  and  $w = 2$   
-67

4)  $-9 - 8n - 2h + 7$  use  $n = 4$  and  $h = 6$   
-46

9)  $9r + 2 + 3s$  use  $r = 6$  and  $s = 9$   
83

5)  $k + 3w$  use  $k = 4$  and  $w = 3$   
13

10)  $8k + 3 - 6d + 4$  use  $k = 2$  and  $d = 7$   
-19

