

## Homework 2-4

7<sup>th</sup> grade math

Evaluating expressions / combining like terms

unit 2

**Review.****Simplify the expressions.**

1.  $|-9|$

5.  $-9 - (-4)$

2.  $-|-7|$

6.  $-9 - 4$

3.  $-9 + 4$

7.  $4 - 9$

4.  $-9 + -4$

8.  $9 + (-4) + (-6)$

**Evaluate each expression if  $w = 2$ ,  $x = 3$ ,  $y = 5$ , and  $z = 6$ .**

9.  $2w$

11.  $y - x$

10.  $3 + 4z$

12.  $\frac{z}{2}$

**Evaluate each expression if  $a = 4$ ,  $b = 2$ , and  $c = 7$ .**

13.  $3ac$

16.  $20 - bc$

14.  $abc$

17.  $2bc$

15.  $5 + 6c$

18.  $ac - 3b$

19. You were in a car that was traveling at an average speed of 65 miles per hour for 9 hours. How far did you travel?

**Combining Like Terms**

Simplify. If the problem has no like terms, write "Simplified".

20.  $5p - 7 + 3p$

28.  $4p - 2 - 10p$

21.  $-5(7 + 6m) - 10$

29.  $-7 - 4(1 + 5a)$

22.  $x - 6 + 2x - 4$

30.  $10m + 6 - 6$

23.  $(-2x + 6)4 - 7x$

31.  $5n - 4(10n + 6)$

24.  $-9k - 6 - 7k$

32.  $x - 9 + 4$

25.  $5(1 - 4n) - 9n$

33.  $2r + (-3 + 6r)7$

26.  $6n - 5 + 3p$

34.  $9b + 5 - 7b - 4$

27.  $-3(v + 3) - 5$

35.  $-4b - 3(b + 5)$