

Grade 7/8 Math **Simplifying expressions Worksheet 1**

Name: _____ Class: _____

Remember the following rules:

- 1. Only combine variables that are the same.**
- 2. Rewrite the expression with all terms in alphabetical order by variable
- remember to take the plus or minus sign with the coefficient.**
- 3. Add or subtract the numbers in front of the variable (coefficient)**
- 4. Make sure variables are in alphabetical order**
- 5. Numbers without variables get combined too and go at the end**
- 6. Do each step and rewrite to make sure you are not making a mistake**

a) $23x + 3x - 5x$
 $= 26x - 5x$
 $= 21x$

b) $6y - 2y + 17y$

c) $30p - 4p - 5p$

d) $16z - 2z + 7z$

e) $25x + 21 + 4x - 8x$

f) $6 + 11s + 20 + 10s - 5 =$

g) $41n - 12 - 20n + 33$

h) $17t + 54p - 21 - 33p + 4t$

j) $22k - 14 + 13p - k + 8p + 35$

k) $11a + 9b - a + 21c$